WASHINGTON EAST, D.C.-MARYLAND

NATIONAL WETLANDS INVENTORY

Washington East
D.C.-MARYLAND

1:100 000 — Scale Map of

National Wetlands Inventory

FISH & WILDLIFE SERVICE

MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NW | NC | NE
SW | SC | SE

SCALE 1:100 000

WETLAND LEGEND

M MARINE
SUBTIDAL
1M Open Water
2M Rock Bottom
3M Unconsolidated Bottom
4M Aquatic Bed

M MARINE
INTERTIDAL
5M Aquatic Bed
6M Reef
7M Flat
8M Rock Shore
9M Beach

E ESTUARINE
SUBTIDAL
1E Open Water
2E Rock Bottom
3E Unconsolidated Bottom
4E Aquatic Bed
5E Reef

E ESTUARINE
INTERTIDAL
6E Aquatic Bed
7E Reef
8E Flat
9E Streambed
10E Rock Shore
11E Unconsolidated Shore
12E Emergent
13E Scrub-Shrub
14E Forested

R RIVERINE
TIDAL
1R Open Water
2R Rock Bottom
3R Unconsolidated Bottom
4R Aquatic Bed
5R Reef
6R Flat
7R Streambed
8R Rock Shore
9R Beach

R RIVERINE
LOWER PERENNIAL
1R Open Water
2R Rock Bottom
3R Unconsolidated Bottom
4R Aquatic Bed
5R Flat
6R Streambed
7R Rock Shore
8R Beach

R RIVERINE
UPPER PERENNIAL
1R Open Water
2R Rock Bottom
3R Unconsolidated Bottom
4R Aquatic Bed
5R Flat
6R Streambed
7R Rock Shore
8R Beach

R RIVERINE
INTERMITTENT
1R Open Water
2R Unconsolidated Bottom
3R Aquatic Bed
4R Flat
5R Streambed
6R Rock Shore
7R Beach

L LACUSTRINE
LIMNETIC
1L Open Water
2L Unconsolidated Bottom
3L Aquatic Bed

L LACUSTRINE
LITTORAL
1L Open Water
2L Unconsolidated Bottom
3L Aquatic Bed
4L Rock
5L Rock Shore
6L Beach
7L Emergent
8L Shrub-Scrub
9L Forested

P PALUSTRINE
NO SUBSYSTEMS
1P Open Water/Unknown
2P Rock Bottom
3P Unconsolidated Bottom
4P Aquatic Bed
5P Reef
6P Flat
7P Moss/Lichen
8P Emergent
9P Shrub-Scrub
10P Forested

SYSTEM
SUBSYSTEM
CLASS
SUBCLASS
WATER REGIME
SPECIAL MODIFIERS

*SOURCES OF ADDITIONAL INFORMATION

WASHINGTON EAST, D.C.-MARYLAND
(NE ¼ of Washington 1:250,000) 1983

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON NE
WASHINGTON EAST

AERIAL PHOTO
4/81

WASHINGTON EAST, MD - DC

SCALE 1:24000

WETLAND LEGEND

U Primarily represents upland areas. But may include unclassified wetlands such as man modified areas, non photo identifiable areas and or unintentional omissions

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME[1]						WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non Tidal		Tidal				Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent	J Intermittently Exposed		V Permanent Tidal		Hypersaline	Hypersaline	Acid	Organic	Beaver	Diked/Impounded
B Saturated	J Intermittently Flooded	K Artificial				2 Eusaline	6 Eusaline	Circumneutral	Mineral	Partially Drained/Ditched	Artificial
C Seasonal	K Artificial	L Subtidal				3 Mixohaline (Brackish)	7 Mixosaline	Alkaline		Farmed	Spoil
D Seasonal Well Drained	Z Intermittently Flooded Permanent	M Regularly Flooded				4 Polyhaline	8 Fresh				Excavated
E Seasonal Saturated	A Intermittently Flooded Temporary	N Irregularly Flooded				5 Mesohaline					
F Semipermanent	C Saturated Semipermanent Seasonal	P Irregular				6 Oligohaline					
G Intermittently Exposed	Diked					0 Fresh					

[1] Information on the water regime modifiers found on this legend but not found in the classification system may be obtained from the above listed source.

SPECIAL NOTE

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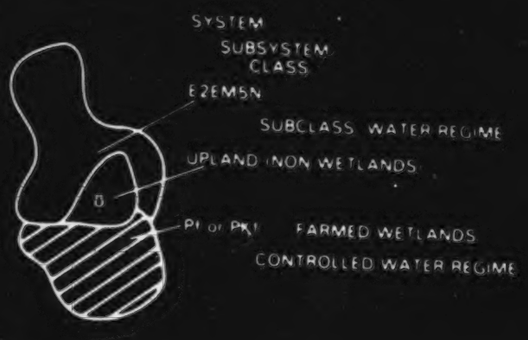
SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
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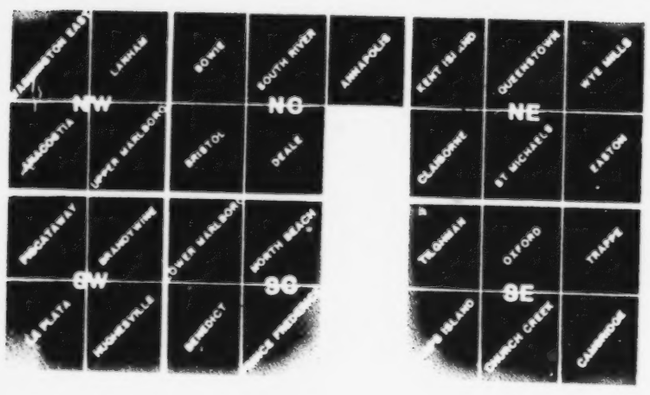
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

LANHAM MD

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24,000

AERIAL PHOTO
4/81

LANHAM, MD

WETLAND LEGEND

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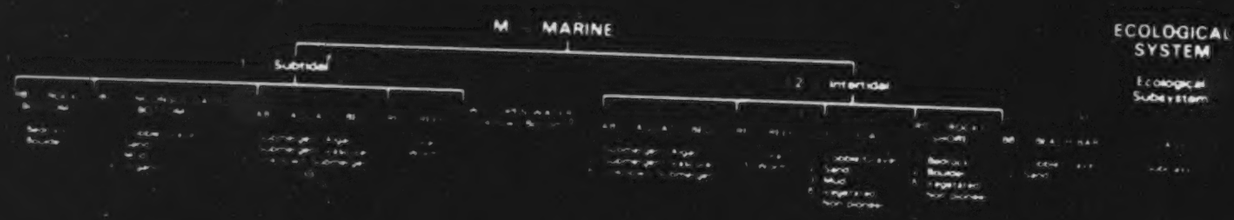

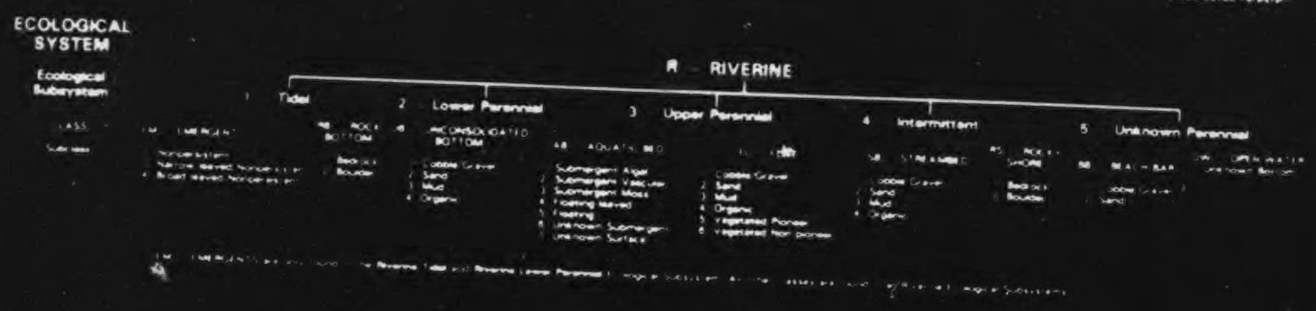

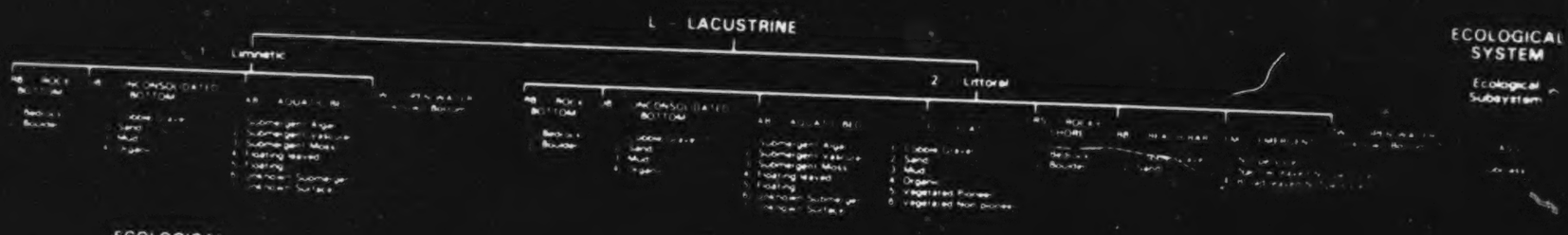

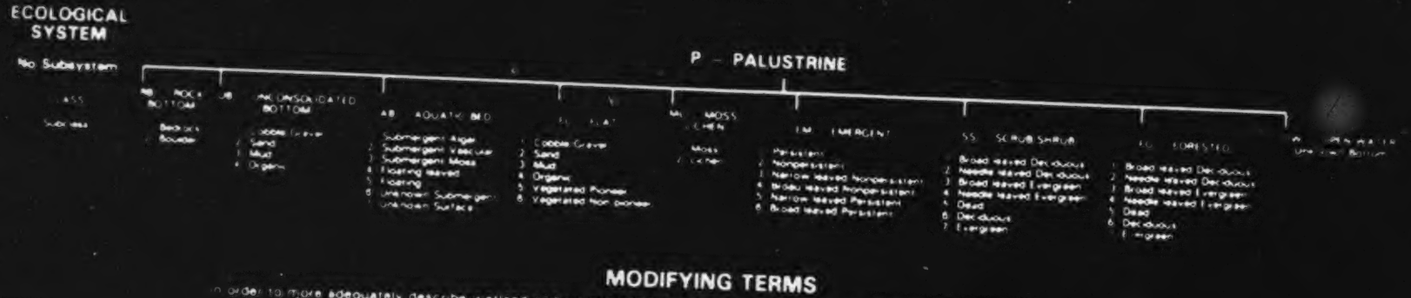

MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal
- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well Drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- R Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- S Irregular
- T Temporary Tidal
- V Semipermanent Tidal
- W Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hypersaline
- 2 Eusaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity
- 1 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- + Acid
- - Circumneutral
- Alkaline

SOIL
- g Organic
- n Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above-listed source.

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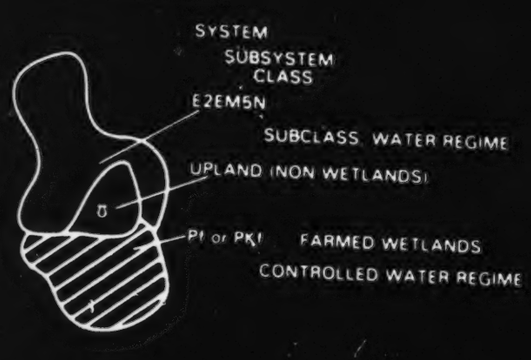

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MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

ANACOSTIA, DC — MD

2WSN-28

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO 4/81

ANACOSTIA, DC - MD

WETLAND LEGEND

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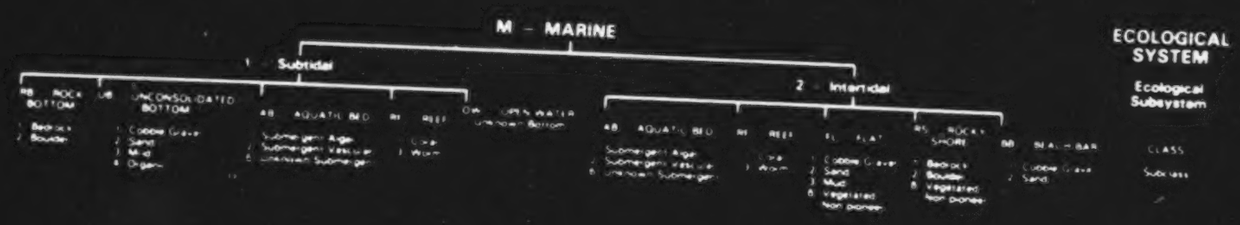

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- K Artificial
- Z Intermittently Exposed/Permanent
- Y Intermittently Flooded/Temporary
- T Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- R Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- S Seasonal Tidal
- T Temporary Tidal
- V Semipermanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity
- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- a Acid
- i Circumneutral
- b Alkaline

SOIL
- 8 Organic
- 7 Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
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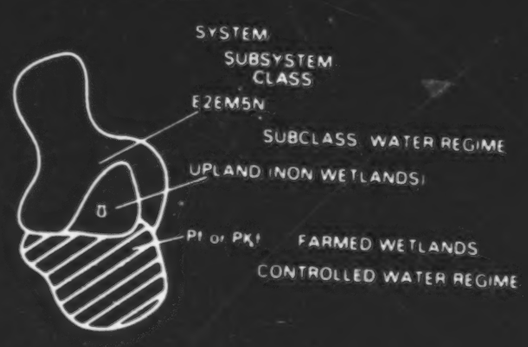

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MICROFICHE INDEX
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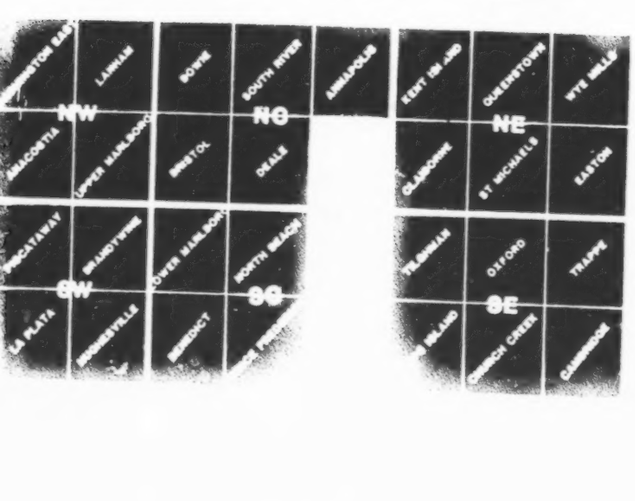
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

UPPER MARLBORO MD

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO
4/81

UPPER MARLBORO MD

WETLAND LEGEND

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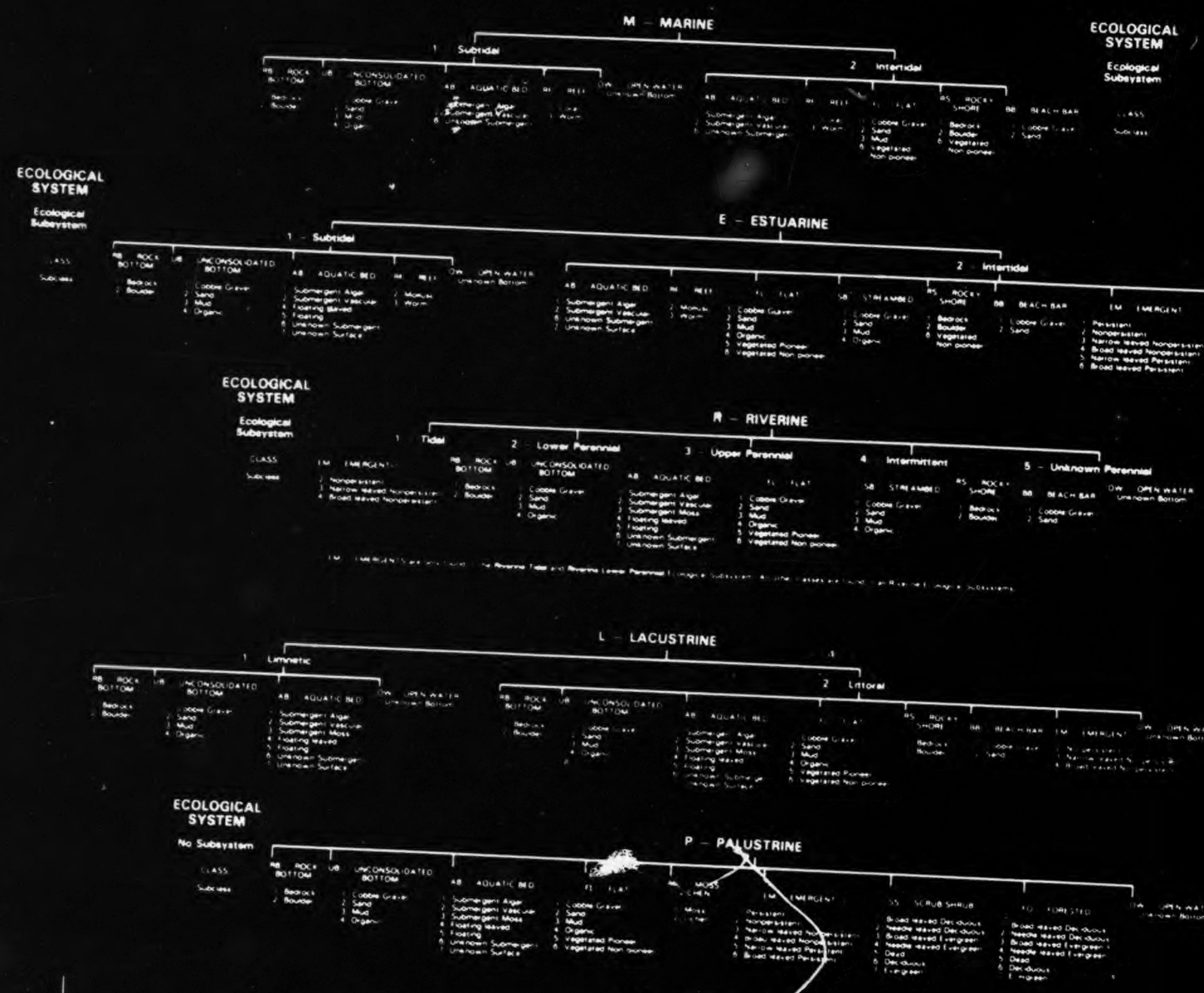

MODIFYING TERMS

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pH Modifiers for all Fresh Water
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SOIL
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SPECIAL MODIFIERS
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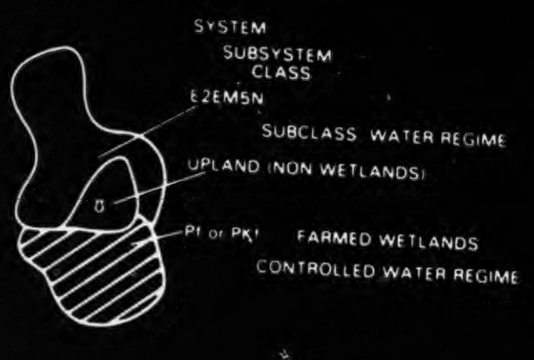

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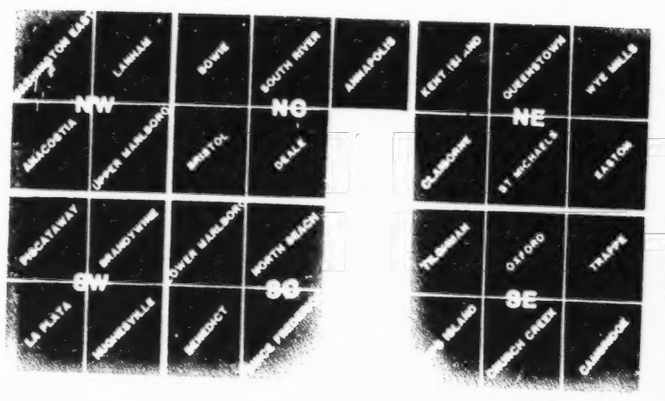
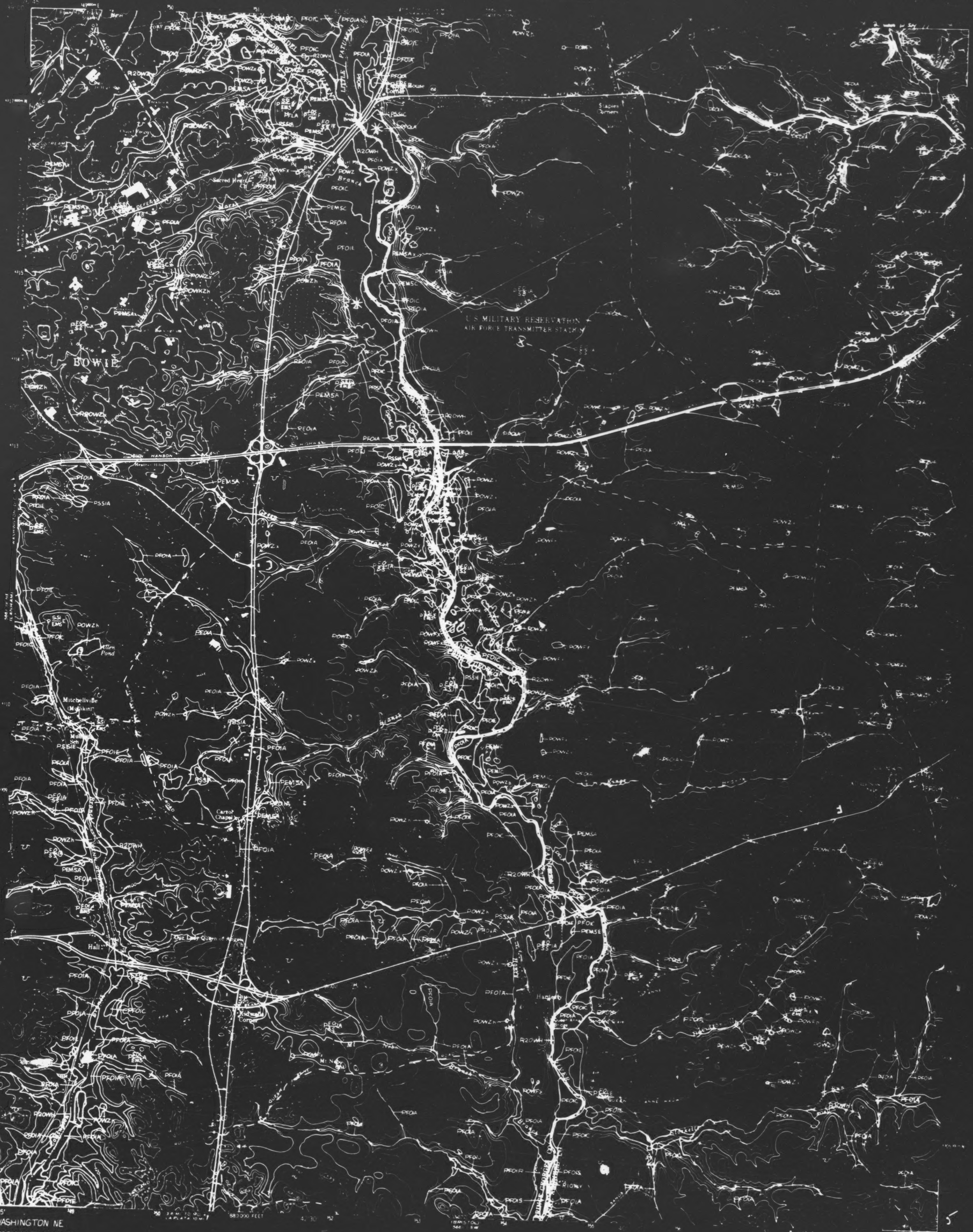
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

BOWIE, MD



WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO 4/81

BOWIE, MD

WETLAND LEGEND

M MARINE

ECOLOGICAL SYSTEM

E ESTUARINE

ECOLOGICAL SYSTEM

R RIVERINE

ECOLOGICAL SYSTEM

L LACUSTRINE

ECOLOGICAL SYSTEM

P PALUSTRINE

ECOLOGICAL SYSTEM

MODIFYING TERMS

WATER REGIME	WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal / Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		

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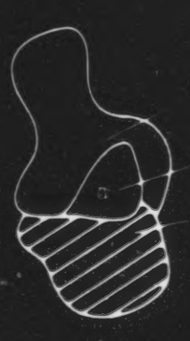

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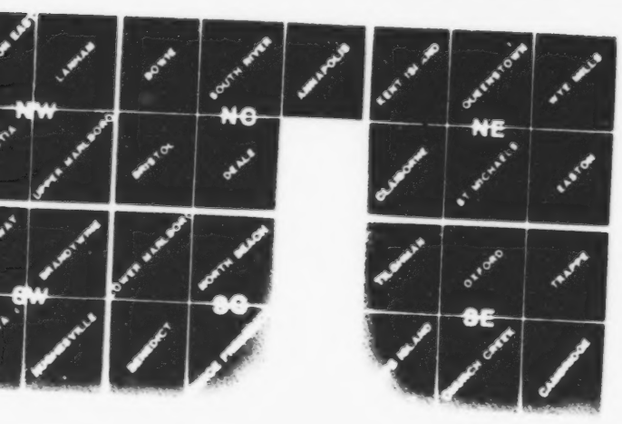
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WETLAND LEGEND

M MARINE

ECOLOGICAL SYSTEM

E ESTUARINE

ECOLOGICAL SYSTEM

R RIVERINE

ECOLOGICAL SYSTEM

L LACUSTRINE

ECOLOGICAL SYSTEM

P PALUSTRINE

ECOLOGICAL SYSTEM

MODIFYING TERMS

WATER REGIME (1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		

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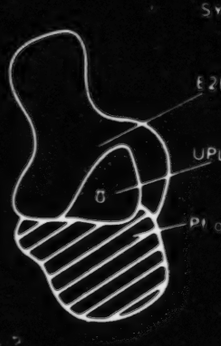

NOTES TO THE USER

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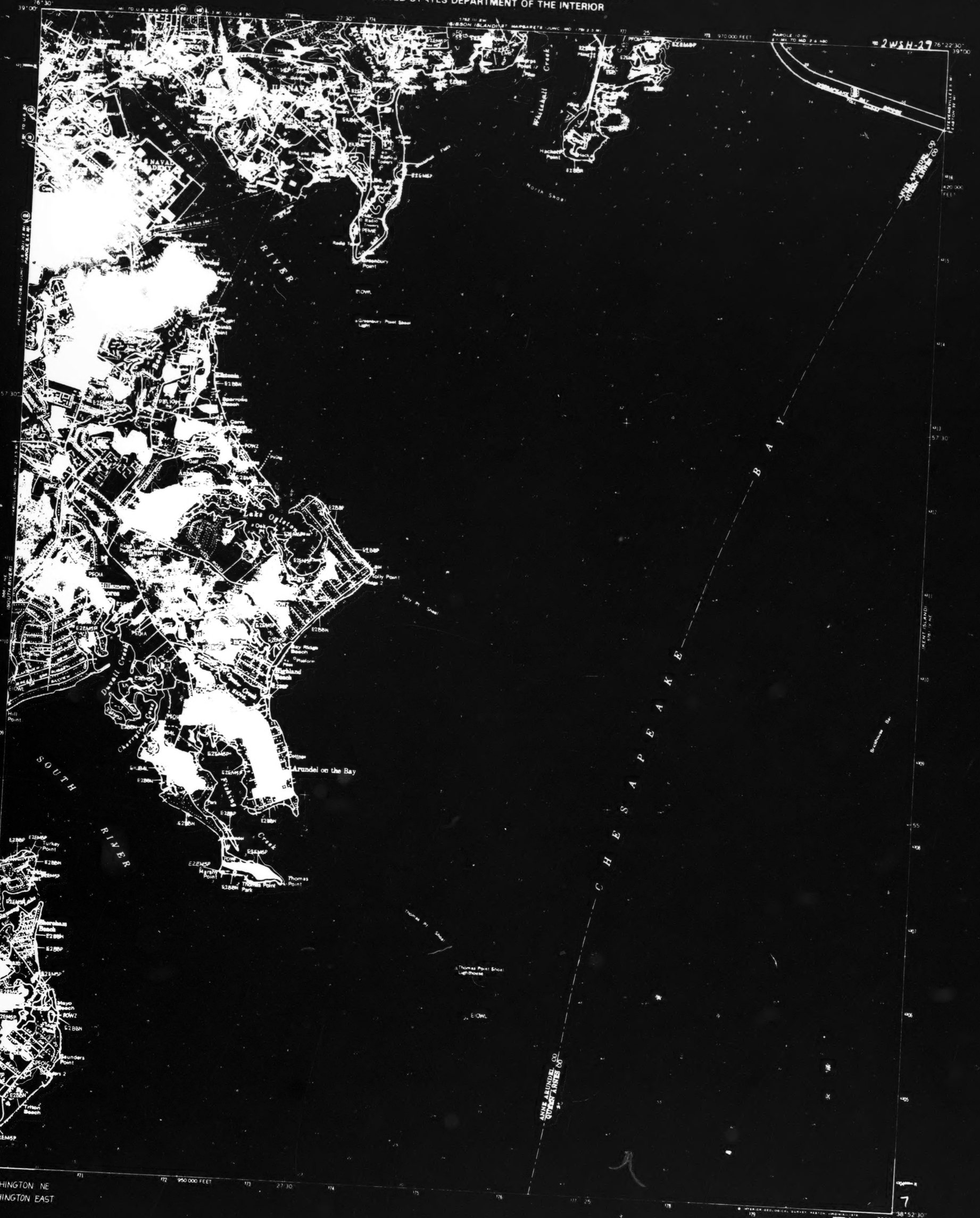
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY
UNITED STATES DEPARTMENT OF THE INTERIOR

ANNAPOLIS, MD

2WSH-27



76°30' 39°00' 76°22'30" 38°52'30"

970 000 FEET 950 000 FEET 190 000 FEET

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24 000

1000 0 1000 2000 4000 6000 8000 FEET
0 1 KILOMETER

AERIAL PHOTO
3/82

ANNAPOLIS MD

WETLAND LEGEND

0 Palustrine represents upland areas, but may include unclassified wetlands such as man-modified areas, non-photo-identifiable areas and/or unintentional omissions.

M MARINE

Subtidal | 2 Intertidal

ECOLOGICAL SYSTEM
Ecological Subsystem

E ESTUARINE

Subtidal | 2 Intertidal

R RIVERINE

Tidal | 2 Lower Perennial | 3 Upper Perennial | 4 Intermittent | 5 Unknown Perennial

L LACUSTRINE

1 Limnetic | 2 Littoral

P PALUSTRINE

No Subsystem

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)										WATER CHEMISTRY								SOIL	SPECIAL MODIFIERS	
Non Tidal				Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water								
A Temporary	F Permanent			J Irregular			N Seasonal Tidal			1 Hypersaline	5 Hypersaline	6 Acid						1 Organic	B Beaver	K Diked/impounded
B Saturated	G Intermittently Flooded			K Artificial			O Temporary Tidal			2 Eusaline	6 Eusaline	7 Circumneutral						2 Mineral	C Partially Drained/Ditched	L Artificial
C Seasonal	H Artificial			L Subtidal			P Intermittent Tidal			3 Mesohaline	7 Mixosaline	8 Alkaline							D Farmed	M Spoil
D Semipermanent	J Intermittently Exposed/Permanent			M Irregularly Exposed			Q Permanent Tidal			4 Polyhaline	8 Fresh									N Excavated
E Seasonal/Well Drained	K Intermittently Exposed/Artificial			N Regularly Exposed			R Unknown			5 Mixohaline (Brackish)										
F Seasonal/Saturated	U Intermittently Flooded/Temporary			O Irregularly Exposed						6 Polyhaline										
G Semipermanent	V Intermittently Flooded/Intermittent			P Regularly Exposed						7 Mesohaline										
H Intermittently Exposed	W Intermittently Flooded/Permanent									8 Oligohaline										
	Z Unknown									0 Fresh										

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

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SYMBOLOGY EXAMPLE

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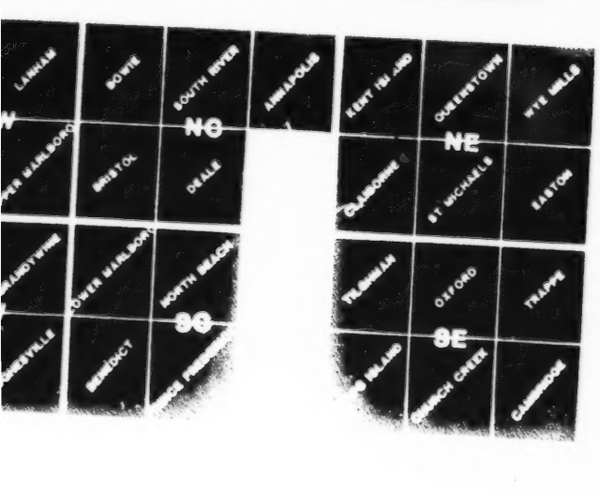
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



BRISTOL, MD.

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO
4/81

BRISTOL, MD

WETLAND LEGEND

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MODIFYING TERMS

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WATER REGIME(1)						WATER CHEMISTRY				SOIL	SPECIAL MODIFIERS
Non-Tidal			Tidal			Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary B Saturated C Seasonal D Seasonal Well-drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial M Intermittently Exposed/Permanent N Intermittently Flooded/Temporary P Saturated/Semipermanent/Seasonal Z Unknown	R Subtidal S Irregularly Exposed T Regular U Irregular	V Permanent Tidal W Temporary Tidal X Semipermanent Tidal Y Intermittent Tidal Z Unknown	1 Hypersaline 2 Eusaline 3 Mixohaline (Brackish) 4 Polysaline 5 Mesohaline 6 Oligohaline 0 Fresh		7 Hyperhaline 8 Euhaline 9 Miohaline Z Unknown	4 Acid 5 Circumneutral 6 Alkaline	G Organic M Mineral	1 Beaver 2 Partially Drained/Ditched 3 Farmed	4 Diked/Impounded 5 Artificial 6 Natural 7 Excavated

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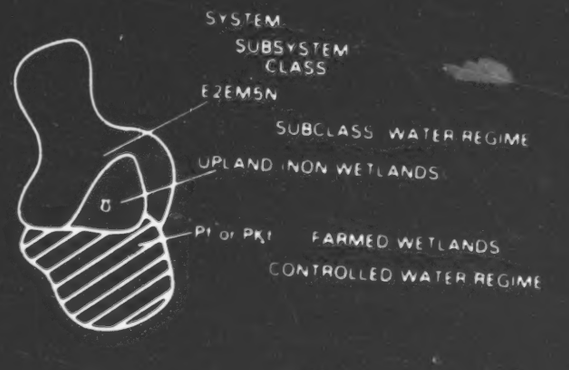

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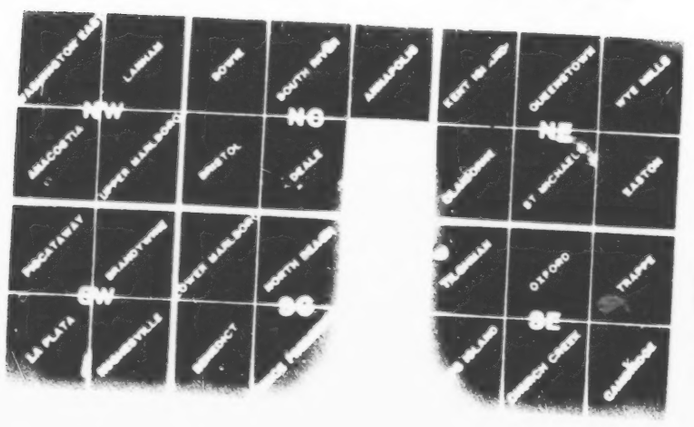
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

DEALE, MD

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO
4/81

DEALE, MD

WETLAND LEGEND

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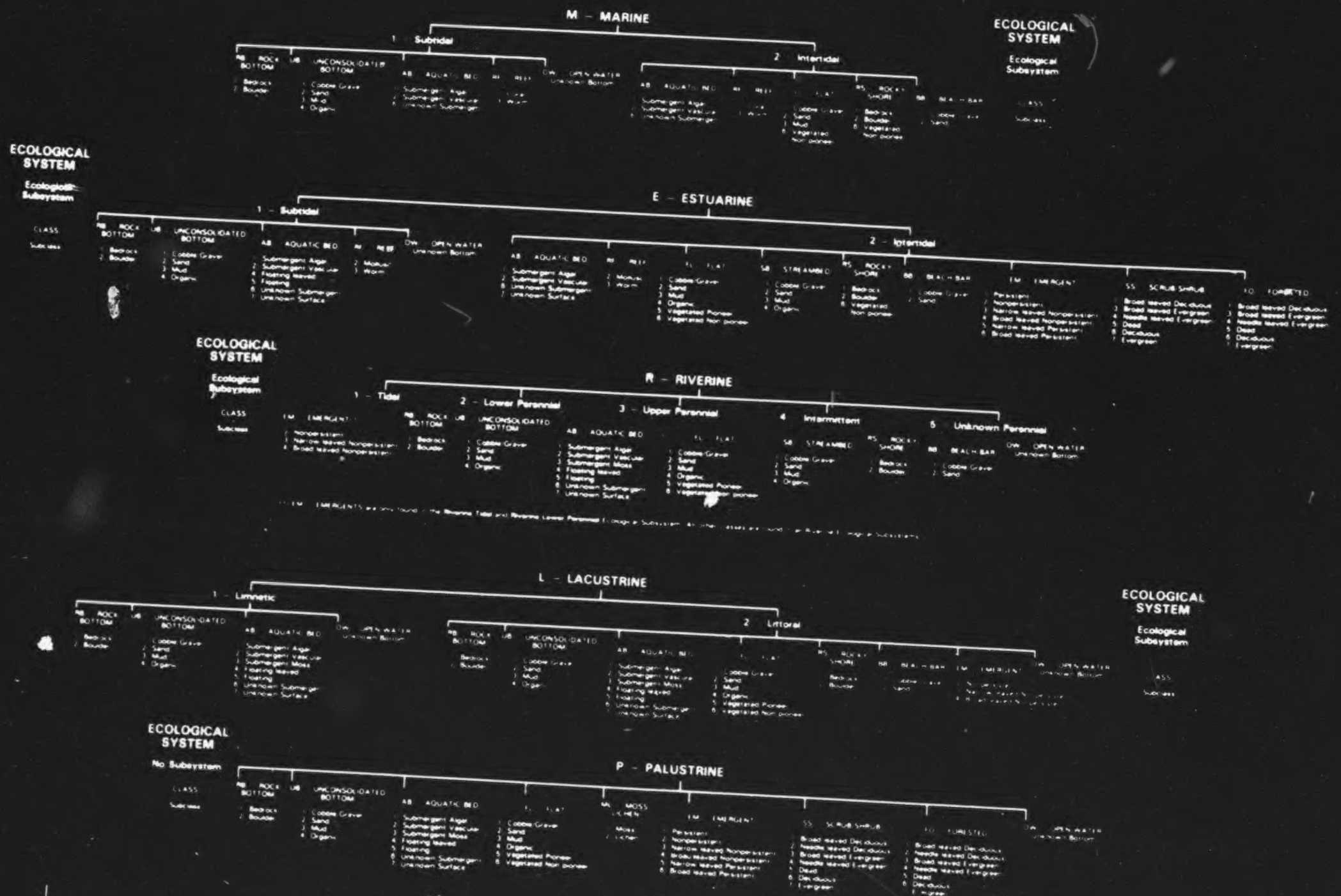

MODIFYING TERMS

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WATER REGIME(1)				WATER CHEMISTRY				SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent	V Intermittently Flooded	J Intermittently Exposed	1 Hypersaline	4 Hypersaline	A Acid		A Organic	h Beaver
B Saturated	J Intermittently Exposed			2 Eusaline	3 Eusaline	C Circumneutral		M Mineral	k Partially Drained/Ditched
C Seasonal	K Artificially Flooded			3 Mixohaline (Brackish)	6 Mixosaline	B Alkaline			r Farmed
D Nontidal Seasonal				4 Polyhaline	7 Fresh				
E Seasonal Saturated				5 Euhaline					
F Semipermanent				6 Hyperhaline					
G Intermittently Exposed									

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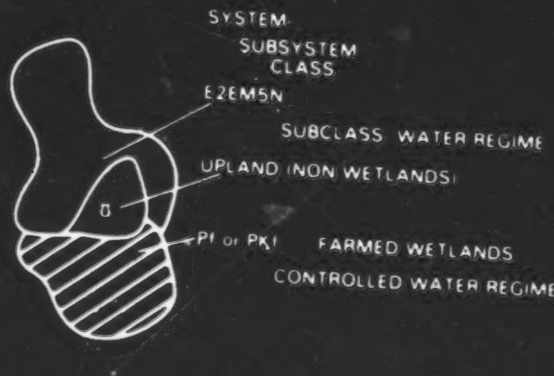

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MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

KENT ISLAND, MD.

WILLIAM PRESTON LANE JR. MEMORIAL BRIDGE

CHESAPEAKE BAY

EASTERN BAY

Matapeake

Nirmans

Carter Creek

Parson Island

Turkey Point

Love Point

Romancoke

Philpots Islands

Bolingbroke Island

Love Marsh Island

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

QUEEN ANNES CO
TALBOT CO

AERIAL PHOTO
3/82

KENT ISLAND MD

WETLAND LEGEND

M MARINE

E ESTUARINE

R RIVERINE

L LACUSTRINE

P PALUSTRINE

ECOLOGICAL SYSTEM

MODIFYING TERMS

WATER REGIME	WATER CHEMISTRY	SOIL	SPECIAL MODIFIERS
Non Tidal / Tidal	Coastal Salinity / Inland Salinity / pH Modifiers for all Fresh Water		

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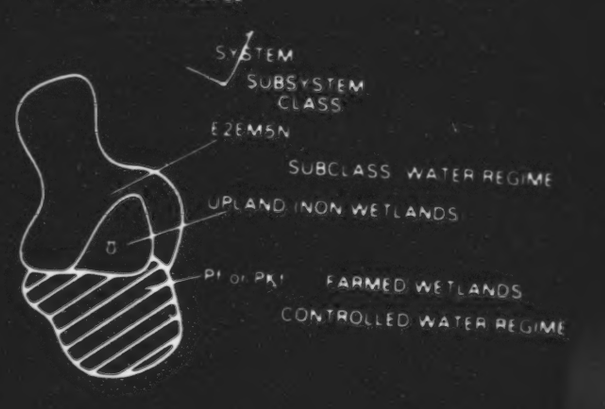

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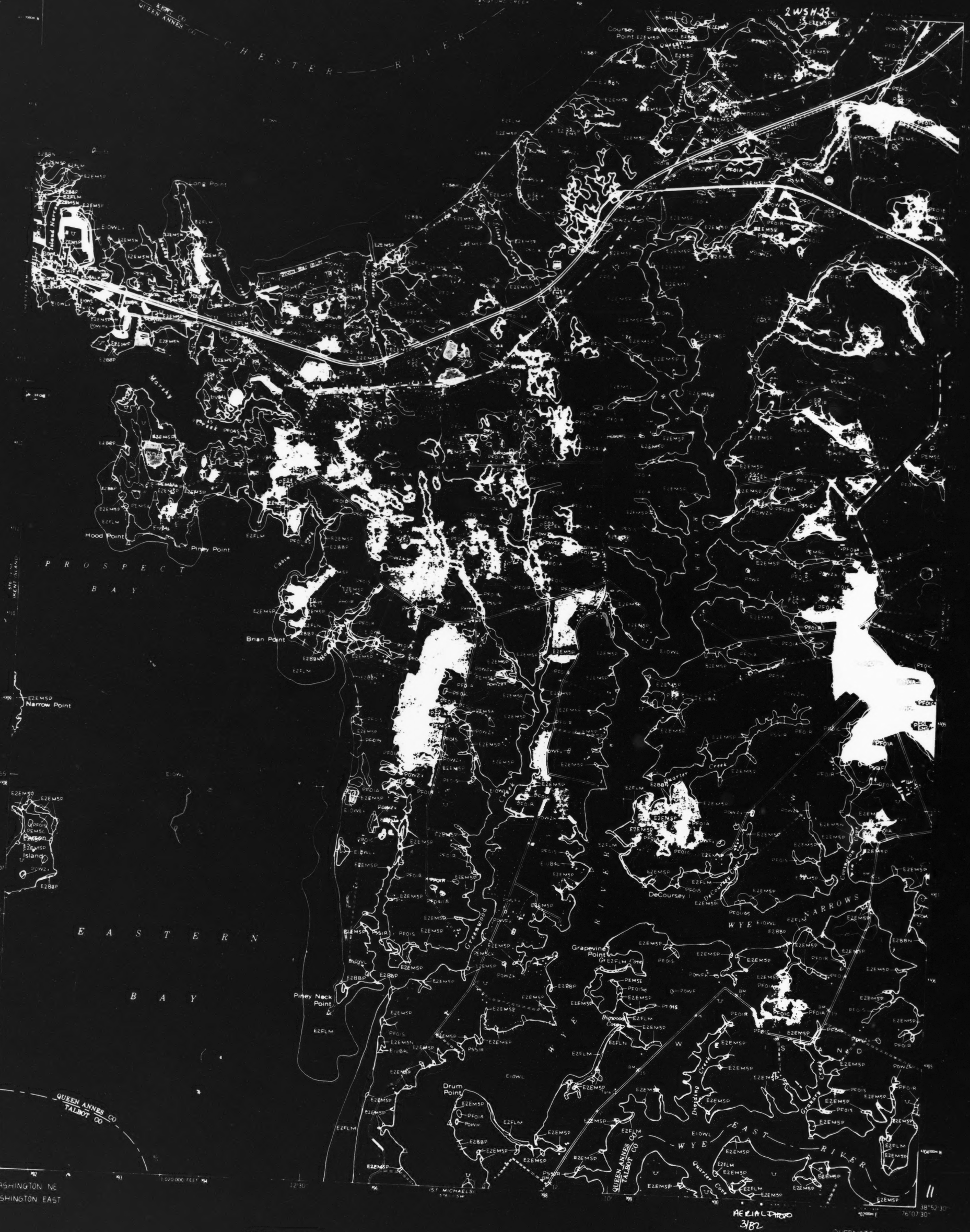
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NW NE SW SE

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



WETLAND LEGEND

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MODIFYING TERMS

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WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
1 Saturated	6 Permanent	1 Subtidal	6 Semipermanent Tidal	1 Hypersaline	1 Hypersaline	1 Acid	Organic	Excavated
2 Seasonal	7 Intermittently Exposed	2 Irregularly Exposed	7 Intermittently Exposed Tidal	2 Euhaline	2 Euhaline	2 Circumneutral	Mineral	Diked/Impounded
3 Temporary	8 Semipermanent Flooded	3 Regularly Exposed	8 Permanently Flooded Tidal	3 Mixohaline (Brackish)	3 Mixosaline	3 Alkaline		Partly Drained/Ditched
4 Intermittently Exposed	9 Permanently Flooded	4 Permanently Flooded	9 Intermittently Exposed/Permanently Flooded Tidal	4 Polyhaline	4 Mixohaline			Farmed
5 Semipermanent		5 Artificially Flooded		5 Mesohaline	5 Subhaline			
				6 Oligohaline	6 Fresh			

(1) Information on the water regime modifiers for a specific wetland, but not found on the classification system, may be obtained from the above listed source.

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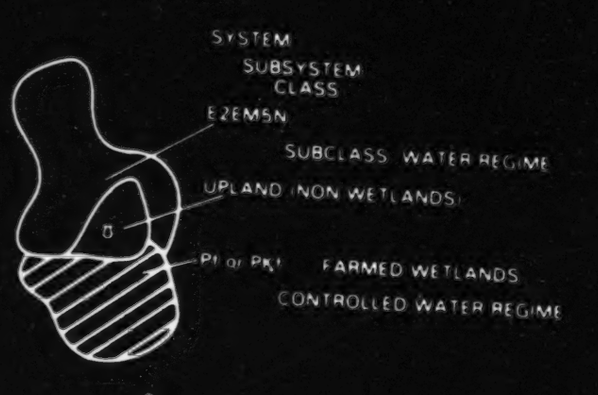

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MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WYE MILLS, MD

76°07'30"

39°00'

38°52'30"

76°07'30"

1 050 000 FEET

WASHINGTON NE

WASHINGTON EAST

SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 KILOMETER

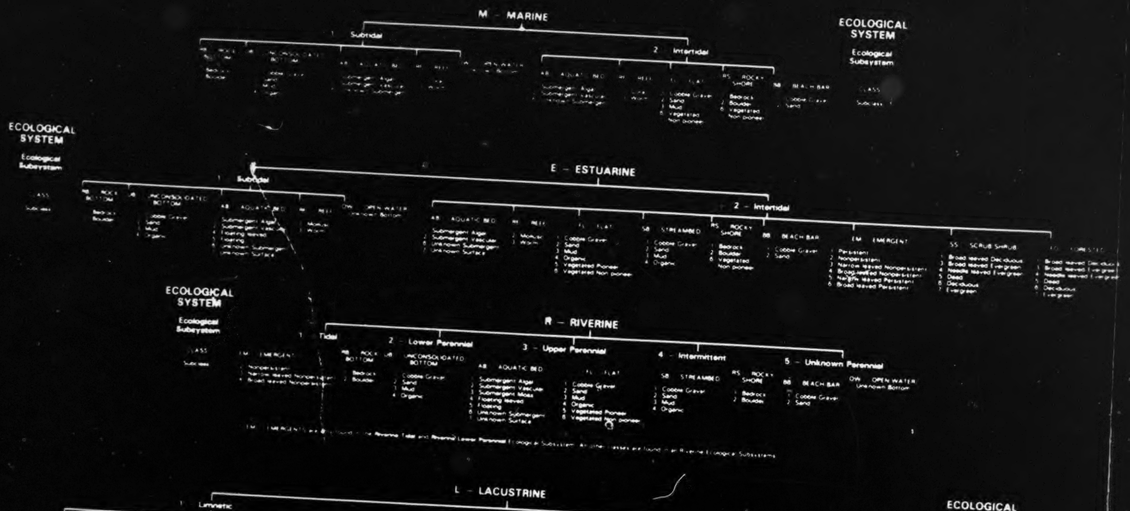
AERIAL PHOTO

WYE MILLS, MD.

12

WETLAND LEGEND

U – Primarily represents **upland** areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and/or unintentional omissions



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Non Tidal				Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water					
A Temporary	H Permanent			J Subtidal				S Seasonal Tidal		1 Hypersaline	1 Hypersaline	4 Acid				2 Organic	b Beaver
B Saturated				K Irregular				T Temporary Tidal		2 Eulvaline	2 Eulvaline	5 Circumneutral				3 Mineral	d Partially Drained/Ditched
C Seasonal	J Intermittent Flooded			L Regular				V Permanent Tidal		3 Mixohaline (Brackish)	3 Mixosaline	6 Alkaline					f Farmed
E Seasonal Well Drained	K Artificial			M Irregular				W Semipermanent Tidal		4 Polyhaline	4 Polysaline						h Diked/Impounded
F Seasonal Saturated	P Intermittent Exposed			N Regular				X Permanent Tidal		5 Mesohaline	5 Mesosaline						k Artificial
G Temporary/Seasonal	R Intermittently Flooded/Temporary			P Irregular				Y Unknown		6 Oligohaline	6 Oligosaline						r Spoil
H Intermittently Exposed	U Saturated/Semipermanent/Seasonal									7 Fresh	7 Fresh						x Excavated
Z Unknown																	

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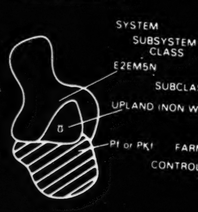

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MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

2 WSH-26

CLAIBORNE MD

WASHINGTON NE
WASHINGTON EAST

CLAIBORNE MD

AERIAL PHOTO 3/82

SCALE 1:24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

13

WETLAND LEGEND

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Non Tidal		Tidal				Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent	J Intermittently Exposed	S Subtidal	V Seasonal-Tidal		Hypersaline	Hypersaline			1 Organic	Excavated
B Saturated	K Intermittently Flooded		T Irregularly Exposed	W Temporary-Tidal		Eusaline	Eusaline	6 Acid		2 Mineral	Farmed (Drained) Diked
C Seasonal	M Artificial		U Regular	X Semipermanent-Tidal		Mixohaline (Brackish)	Mixosaline	7 Circumneutral			Farmed
D Intermittent	P Intermittently Flooded-Permanent		V Irregular	Y Permanent-Tidal		Polyhaline	Mixohaline	8 Alkaline			
E Alternate Saturated	Q Intermittently Flooded-Temporary			Z Intermittently Exposed		Mesohaline	Oligohaline				
F Semipermanent	R Intermittently Flooded					Oligohaline	Fresh				
G Intermittently Exposed	Saturated-Semipermanent-Seasonal					Fresh					
	Unknown										

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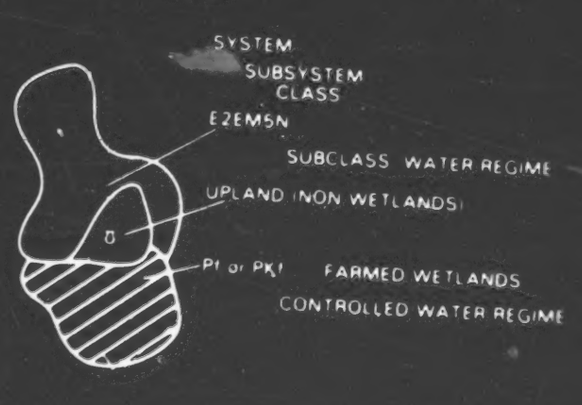
SYMBOLOGY EXAMPLE



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NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

2WSH-21

ST MICHAELS, MD

WASHINGTON NE
WASHINGTON EAST

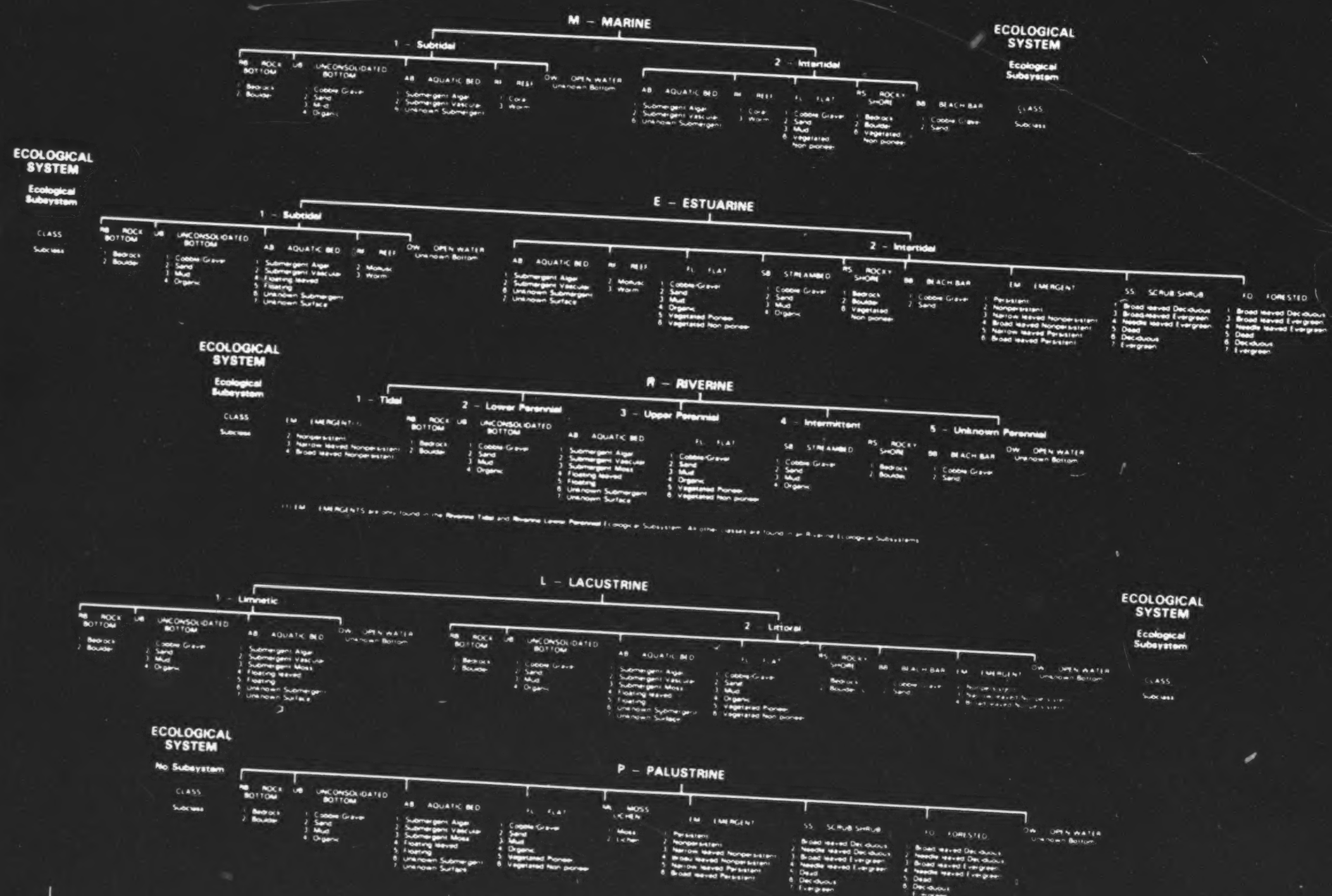
SCALE 1:24000

AERIAL PHOTO 3/82

ST MICHAELS, MD

WETLAND LEGEND

U – Primarily represents **upland areas**, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions



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WATER REGIME(1)		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity		
A Temporary	H Permanent	1 Hypersaline	1 Hypersaline	B Organic	B Beaver
B Saturated	J Intermittently Flooded	2 Eusaline	2 Eusaline	C Mineral	D Partially Drained/Ditched
C Seasonal	K Artificial	3 Mixohaline (Brackish)	4 Mixosaline		F Farmed
D Seasonal Well-drained	Z Intermittently Exposed/Permanent	4 Polyhaline	0 Fresh		H Diked/Impounded
E Seasonal Saturated	R Intermittently Flooded/Temporary	5 Mesohaline			K Artificial
F Semipermanent	V Saturated/Semipermanent/Seasonal	6 Euhaline			R Spoil
G Intermittently Exposed	Y Unknown	8 Hyperhaline			X Excavated
		0 Fresh			

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

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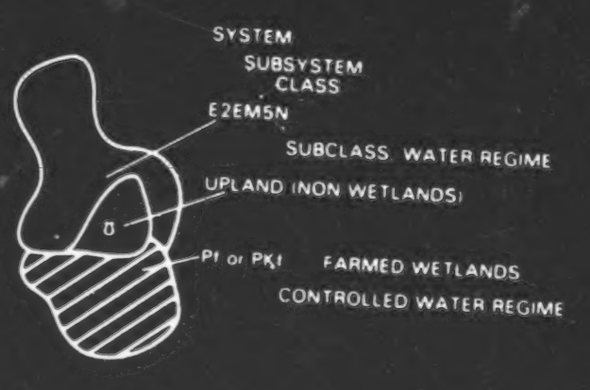

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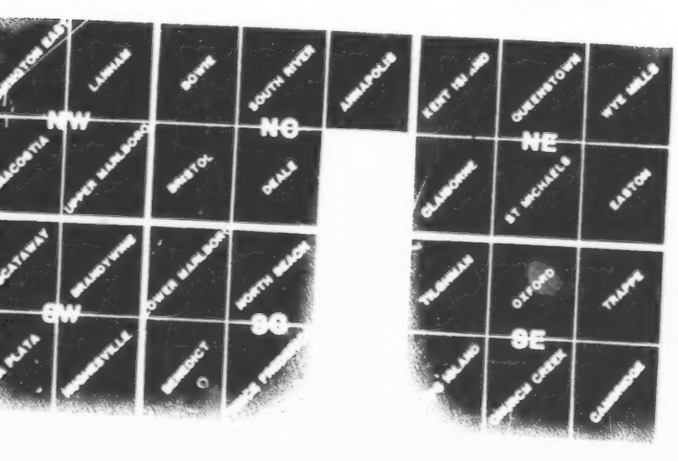
WASHINGTON (NE)
WASHINGTON EAST

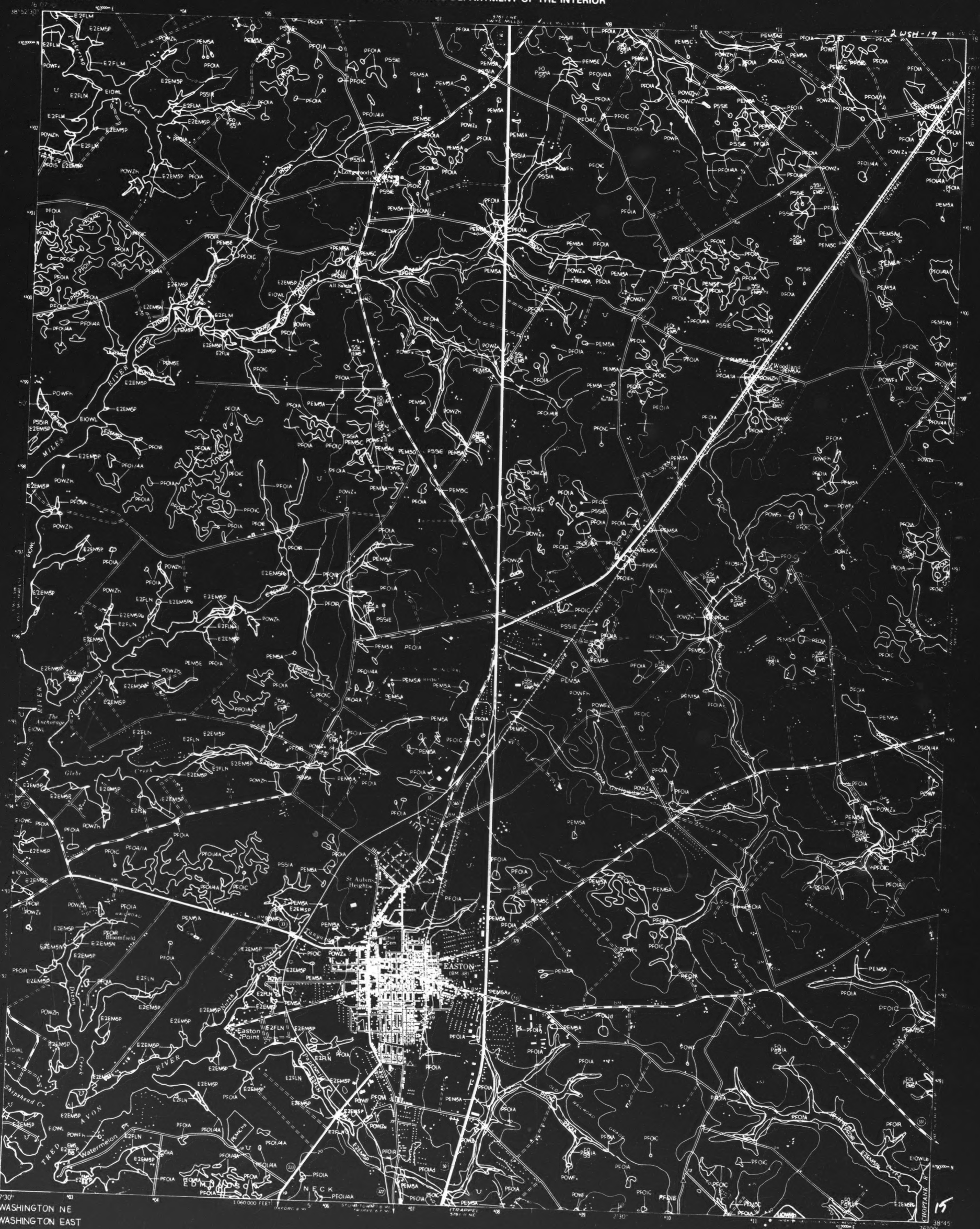


NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

EASTON, MD.

2 WSH-19



WASHINGTON NE
WASHINGTON EAST

SCALE 1 24000

AERIAL PHOTO
4/81

EASTON, MD.

WETLAND LEGEND

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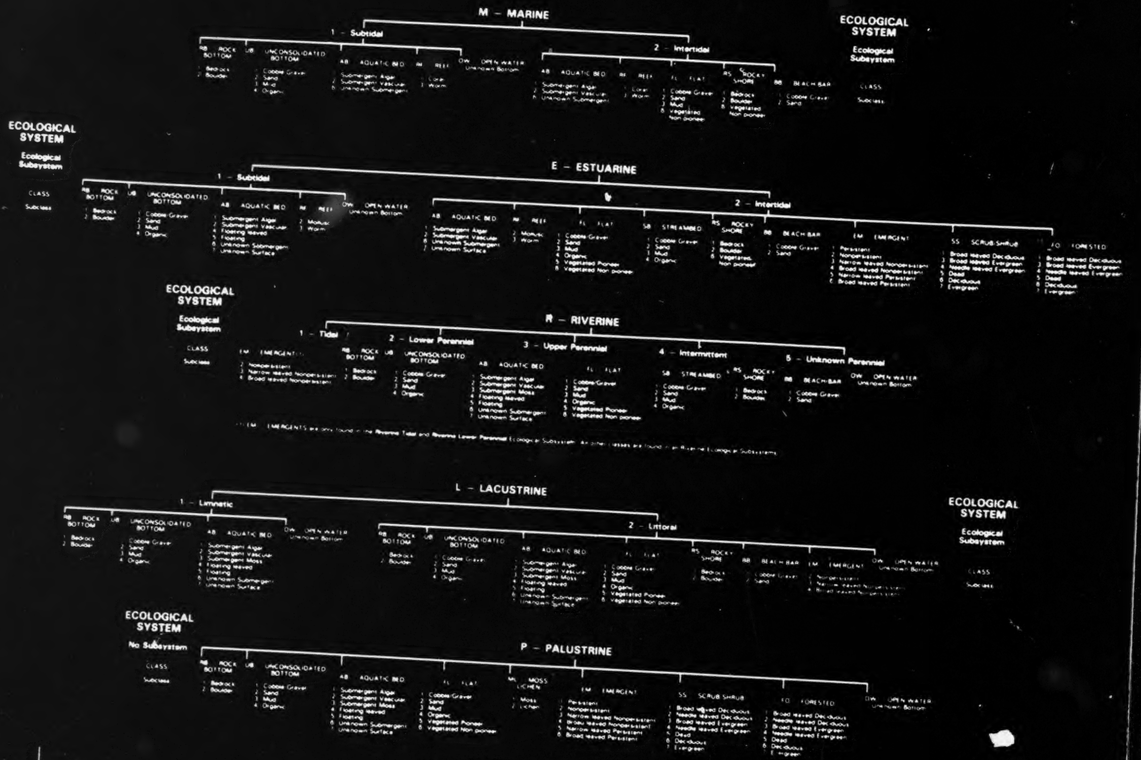

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WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A. Temporary B. Saturated C. Seasonal D. Seasonal, Well drained E. Saturated F. Semipermanent G. Intermittently Exposed	H. Permanent J. Intermittently Flooded K. Artificial L. Intermittently Exposed/Permanent M. Intermittently Flooded/Temporary N. Saturated/Semipermanent/Seasonal U. Unknown	1. Hyperhaline 2. Euhaline 3. Mixohaline (Brackish) 4. Polyhaline 5. Mesohaline 6. Oligohaline 0. Fresh	4. Hypersaline 5. Eusaline 6. Mixosaline 0. Fresh	a. Acid c. Circumneutral x. Alkaline	2. Organic 3. Mineral	b. Beaver d. Partially Drained/Ditched f. Farmed h. Diked/Impounded k. Artificial s. Spoil x. Excavated

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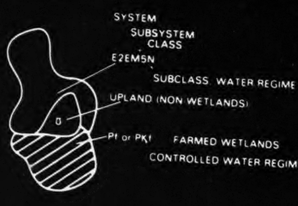

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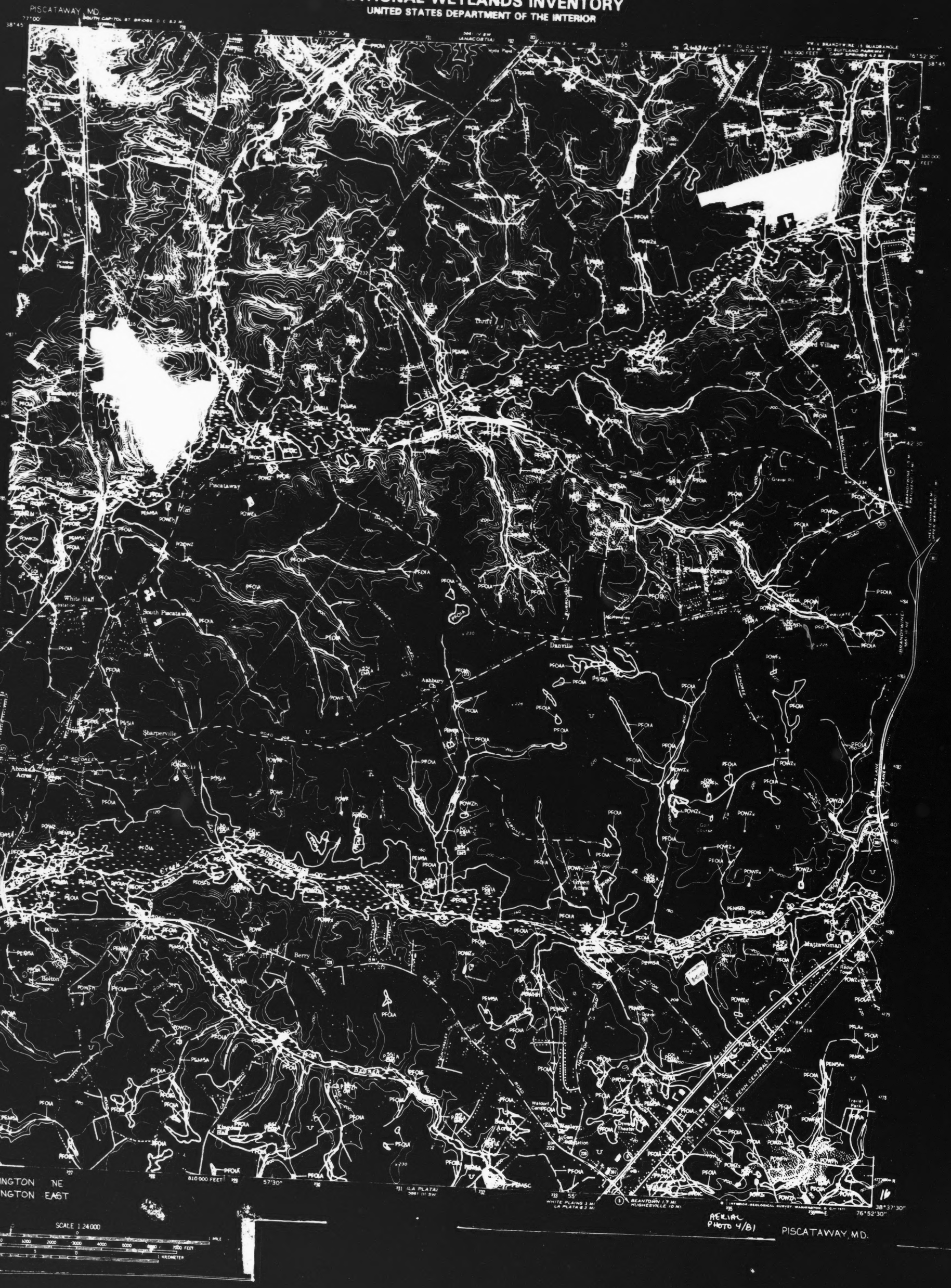
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



AERIAL PHOTO 4/81

PISCATAWAY, MD.

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WATER REGIME(1)

Non-Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well Drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded-Temporary
- Y Saturated-Semipermanent-Seasonal
- U Unknown

Tidal

- L Artificial
- M Subtidal
- N Irregularly Exposed
- P Regular
- R Irregular
- S Seasonal Tidal
- T Temporary Tidal
- V Semipermanent Tidal
- W Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity

- 1 Hypersaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- 1 Hypersaline
- 2 Eusaline
- 3 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water

- a Acid
- b Circumneutral
- c Alkaline

SOIL

- 0 Organic
- 1 Mineral

SPECIAL MODIFIERS

- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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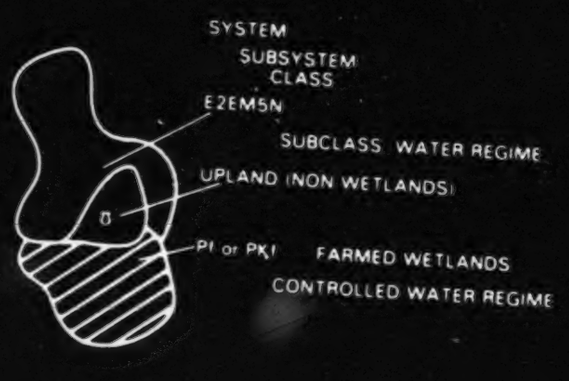

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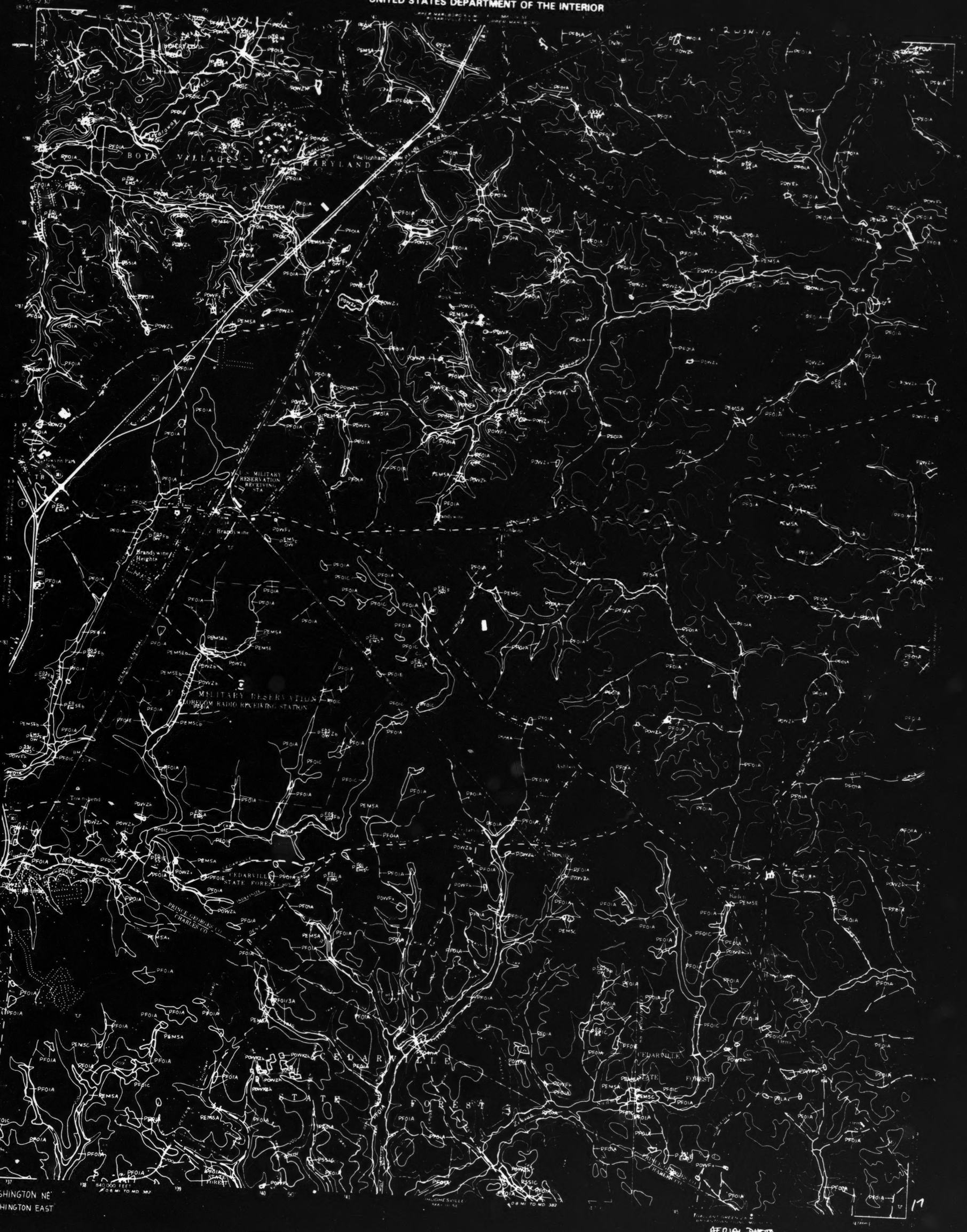
WASHINGTON EAST

BRANDYWINE, MD

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



WASHINGTON NE
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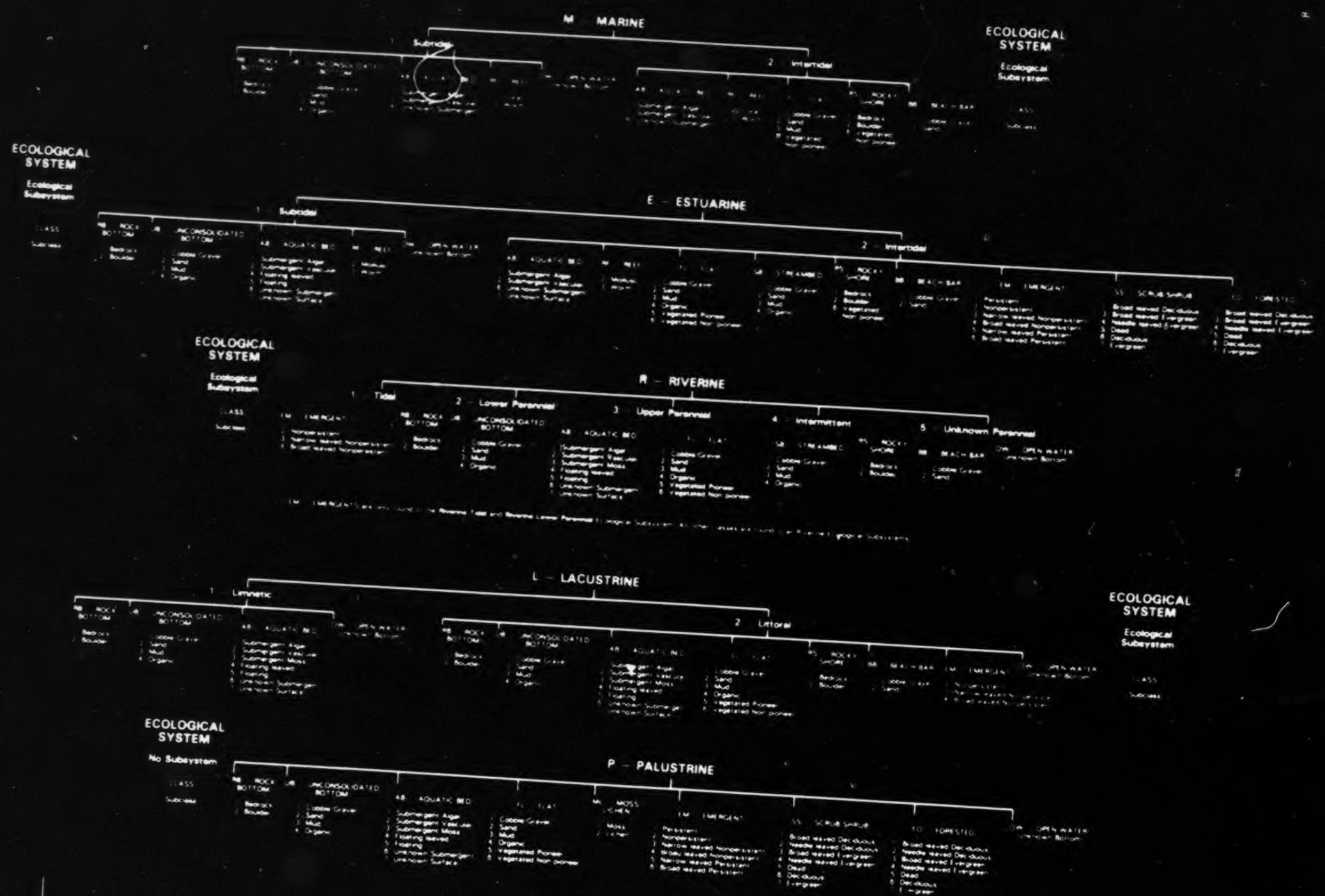

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B Saturated	G Intermittently Flooded			T Irregularly Exposed		W Farmed				2 Eusaline	6 Eusaline	9 Circumneutral				M Mineral		b Partially Drained/Ditched	k Artificial
C Seasonal	H Artificial			U Regularly Exposed						3 Mixohaline (Brackish)	7 Mixosaline	A Alkaline						c Farmed	r Spoil
D Seasonal Well Drained	J Intermittently Flooded/Permanent			V Permanent						4 Polyhaline	8 Fresh								x Excavated
E Seasonal Saturated										5 Mesohaline									
F Semipermanent										6 Oligohaline									
G Intermittently Exposed										7 Fresh									

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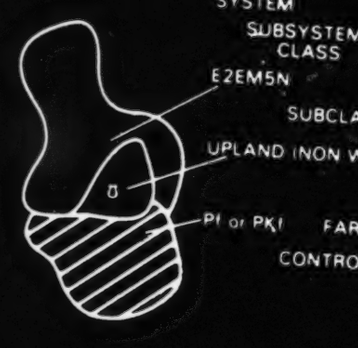

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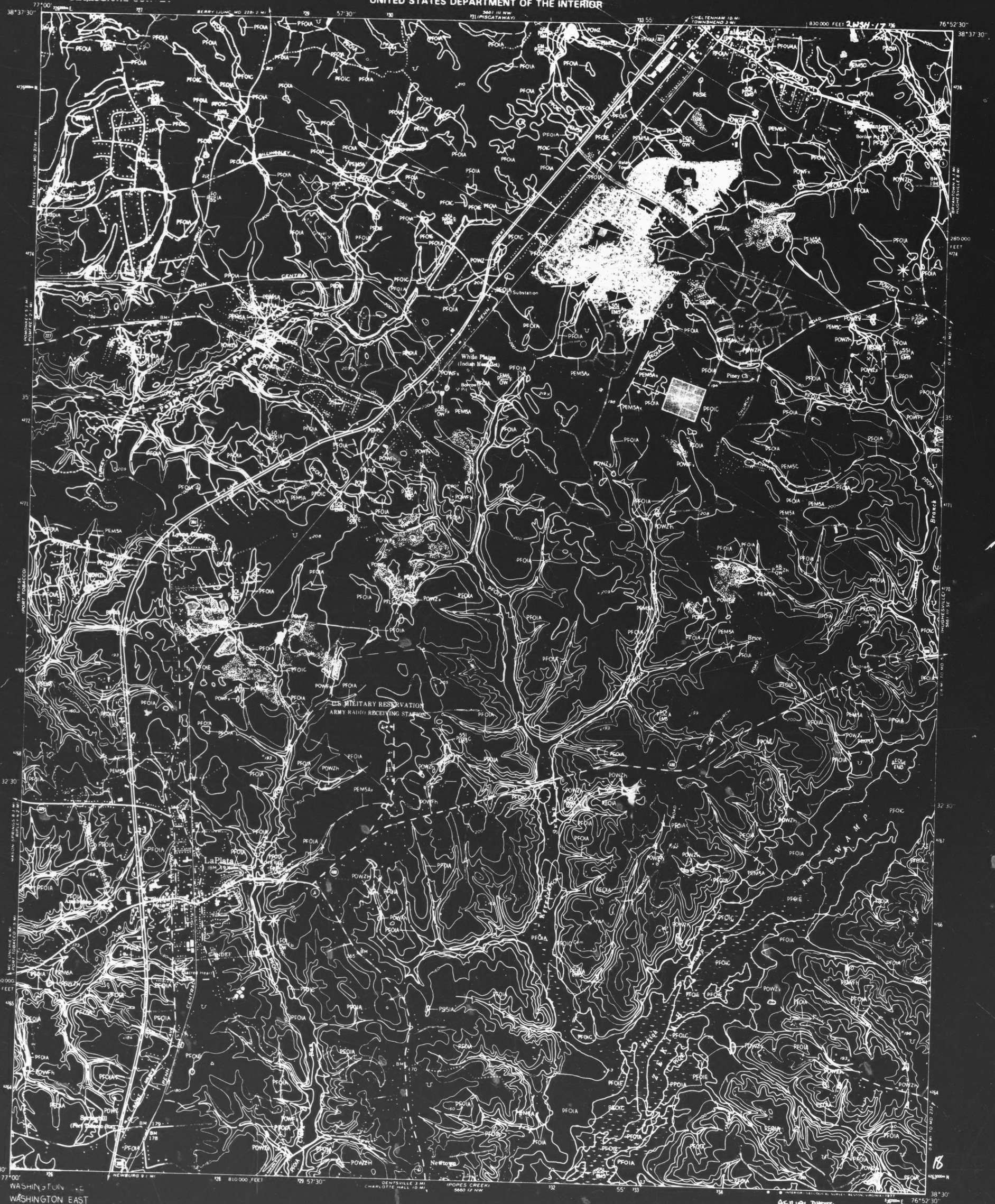
LA PLATA, MD.

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


77°00'
38°37'30"
57'30"
76°52'30"
38°30'
32'30"
830 000 FEET
280 000 FEET
250 000 FEET
BERRY (JUNC. MD 228) 2 MI
BENNSVILLE (JUNC. MD 228) 2 MI
POMONKEY 5.2 MI
PUMPKIN 7.2 MI
CHELTENHAM 10 MI
TOWNSHEND 3 MI
HUGHESVILLE 8 MI
MECONIKIN 4.2 MI
MASON SPRINGS 5.2 MI
RIPLEY 4.2 MI
NEWBURG 8.1 MI
GENTSVILLE 3 MI
CHARLOTTE HALL 10 MI
(POPES CREEK)
5660 FT NW
INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1977
White Plains
(Indian Head Dist)
Substation
Piney Ch
Brice
LaPlata
Sacred Heart
Newtown
U.S. MILITARY RESERVATION
ARMY RADIO RECEIVING STATION
SWAMP
Branch
PENN
CENTRAL
PENN
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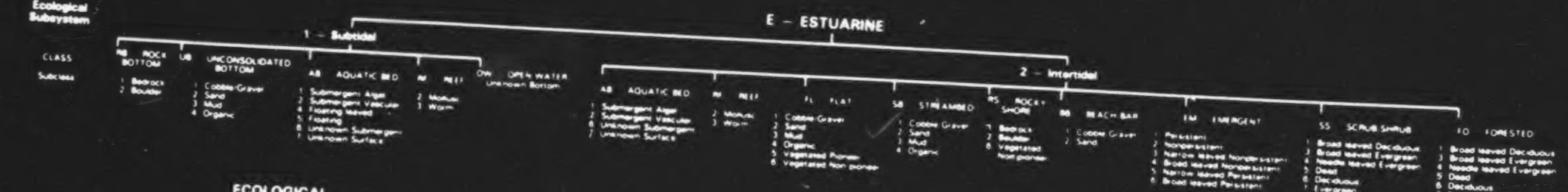

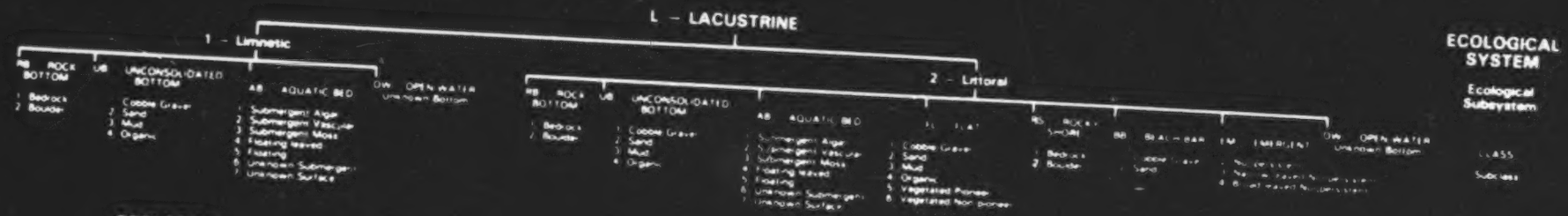

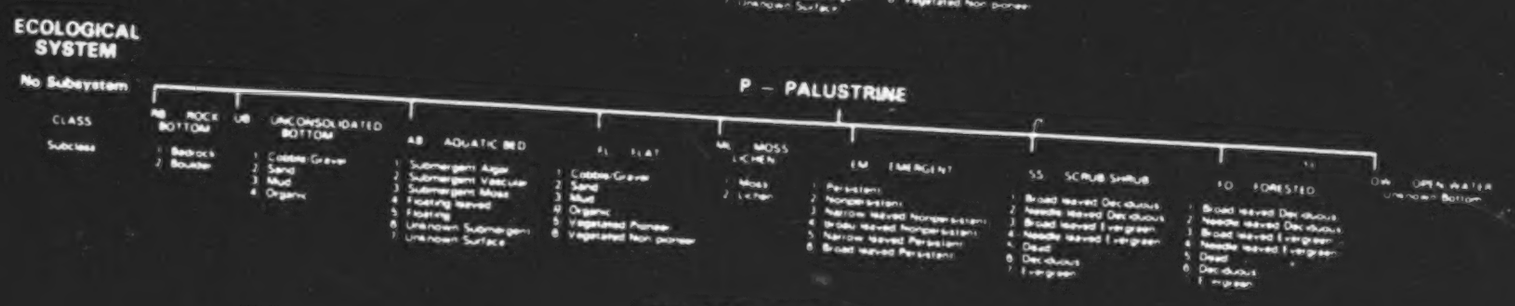

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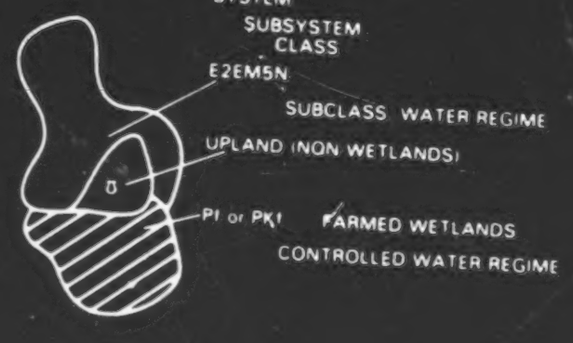

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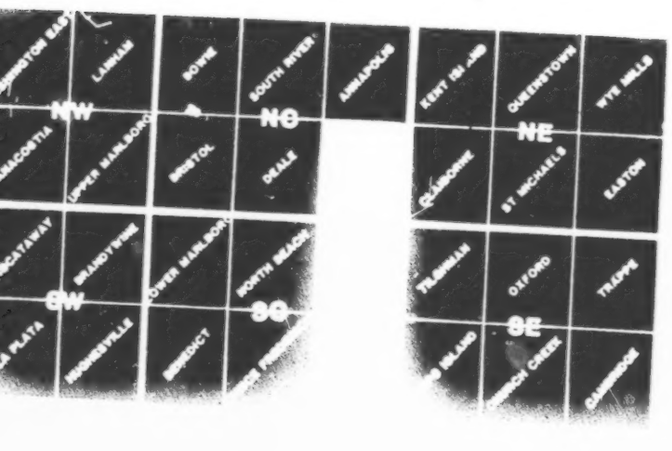

HUGHESVILLE, MD

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24 000

AERIAL PHOTO
4/81

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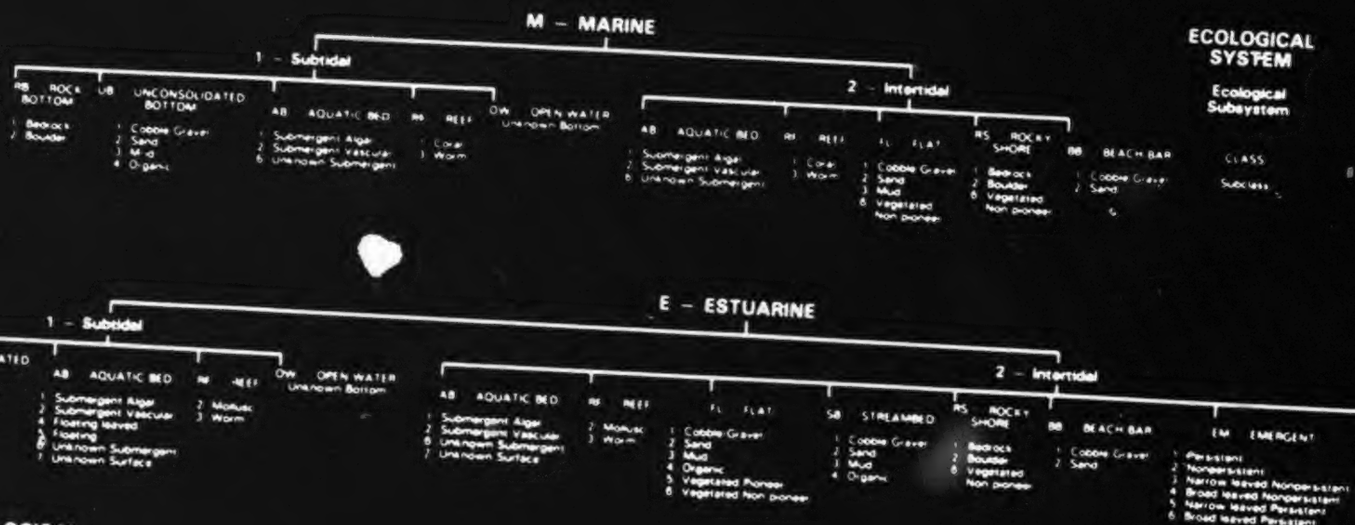
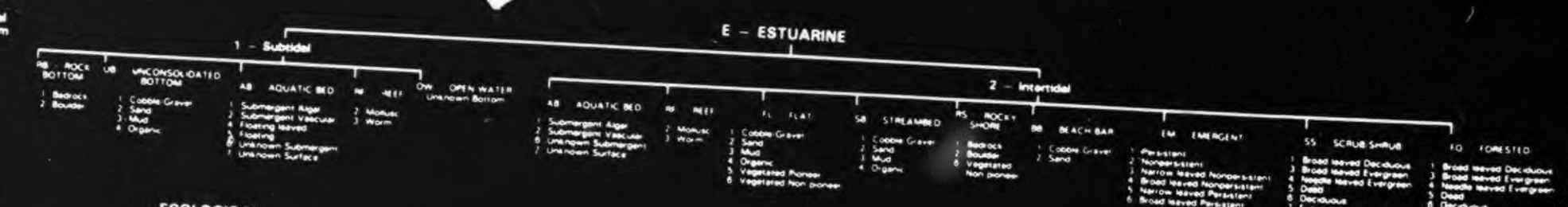
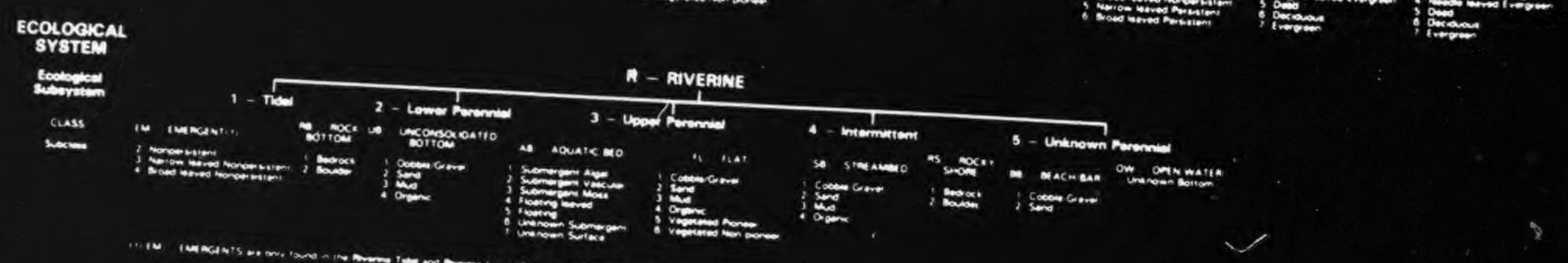
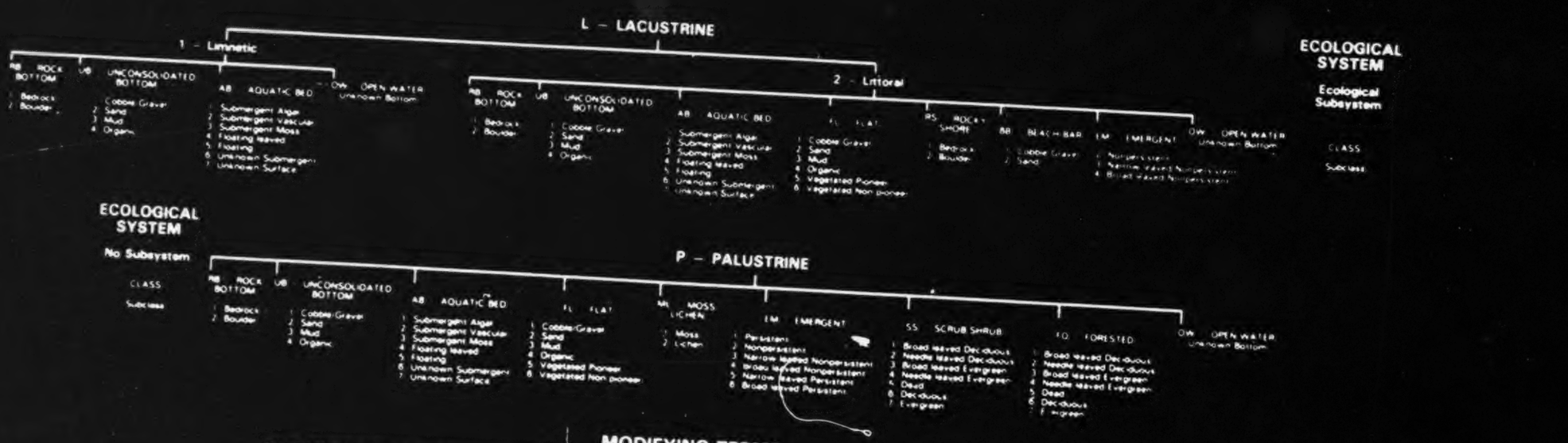






(1) EM EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.



MODIFYING TERMS

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WATER REGIME(1)

Non-Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal

- R Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity

- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water

- a Acid
- i Circumneutral
- k Alkaline

SOIL

- g Organic
- n Mineral

SPECIAL MODIFIERS

- b Beaver
- d Partially Drained Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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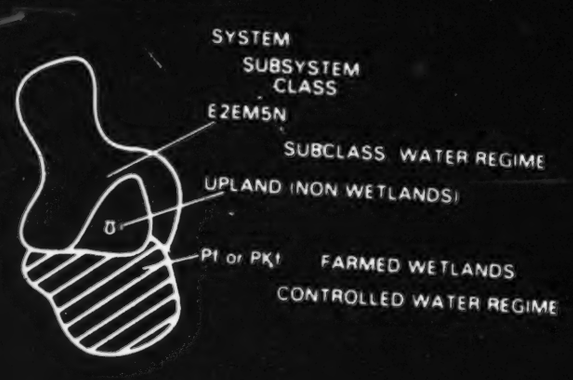

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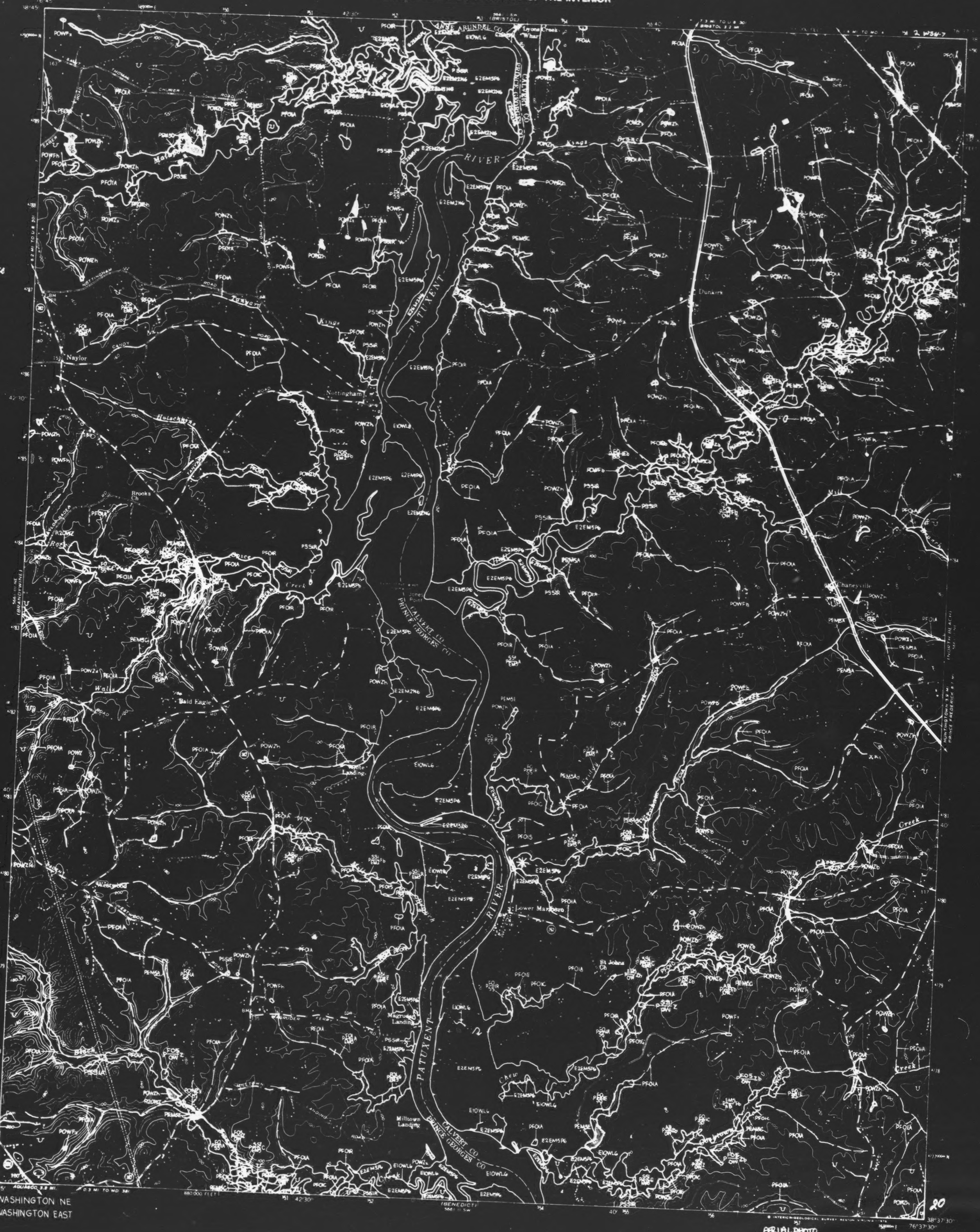
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

AF 14084C D

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

LOWER MARLBORO, MD.



WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO
4/81

LOWER MARLBORO, MD

WETLAND LEGEND

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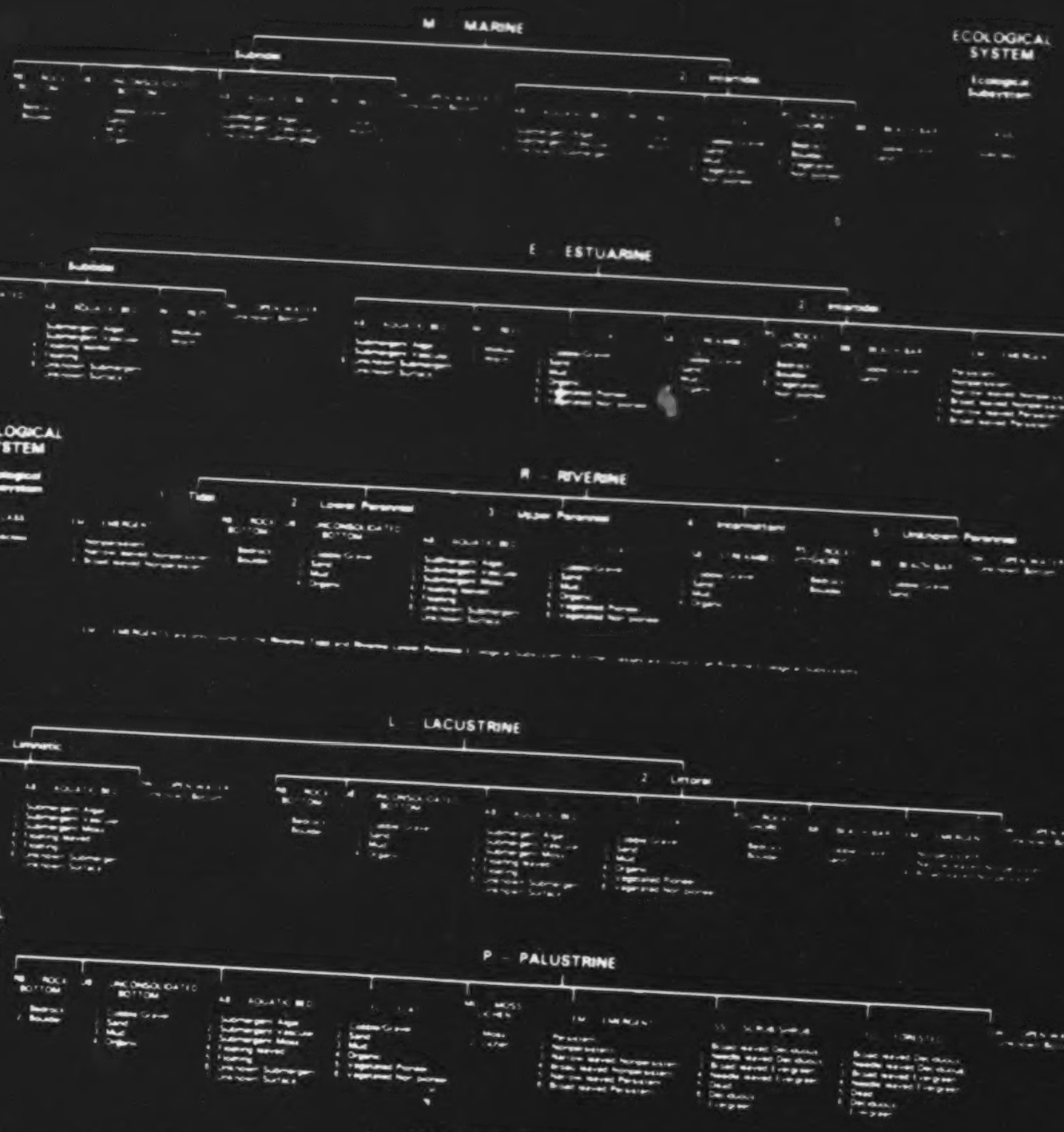

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Non Tidal
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- D Seasonal Well drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/Seasonal
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Tidal
- R Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- S Seasonal Tidal
- T Temporary Tidal
- V Semipermanent Tidal
- W Permanent Tidal
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Coastal Salinity
- 1 Hyperhaline
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- 7 Fresh

Inland Salinity
- A Hypersaline
- B Eusaline
- C Mixosaline
- D Fresh

pH Modifiers for all Fresh Water
- a Acid
- b Circumneutral
- c Alkaline

SOIL
- 1 Organic
- 2 Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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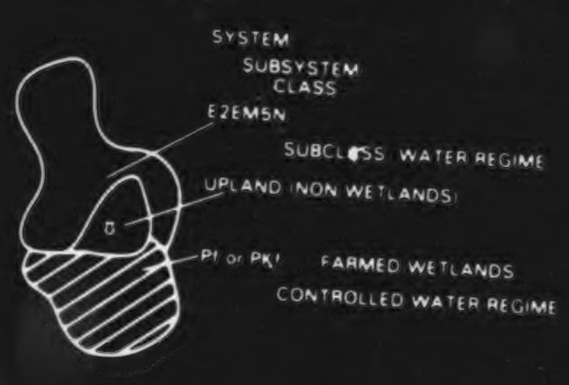

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MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

NORTH BEACH, MD.

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

NORTH BEACH, MD.

AERIAL PHOTOS 4/81

WETLAND LEGEND

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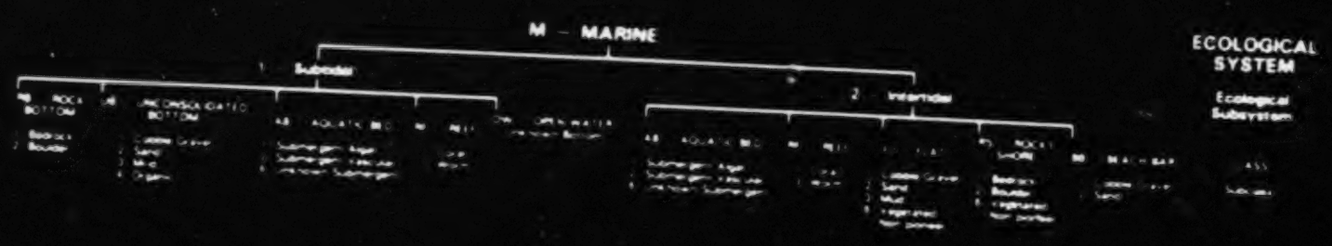

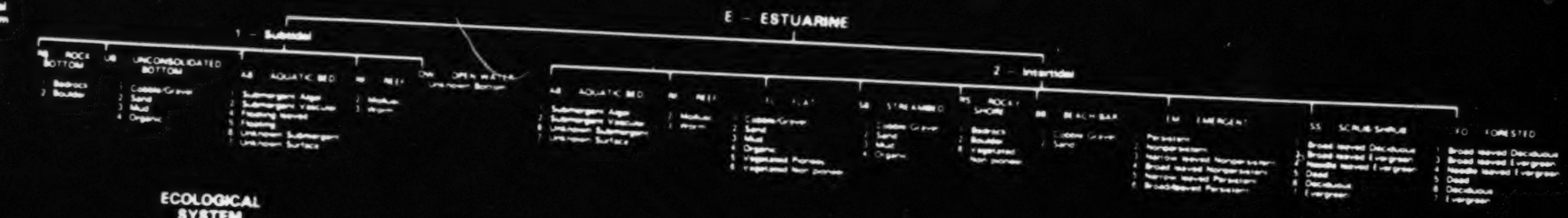

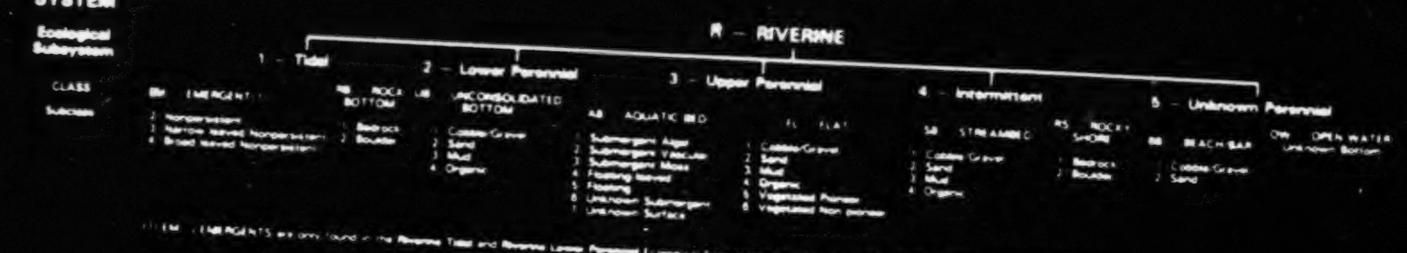

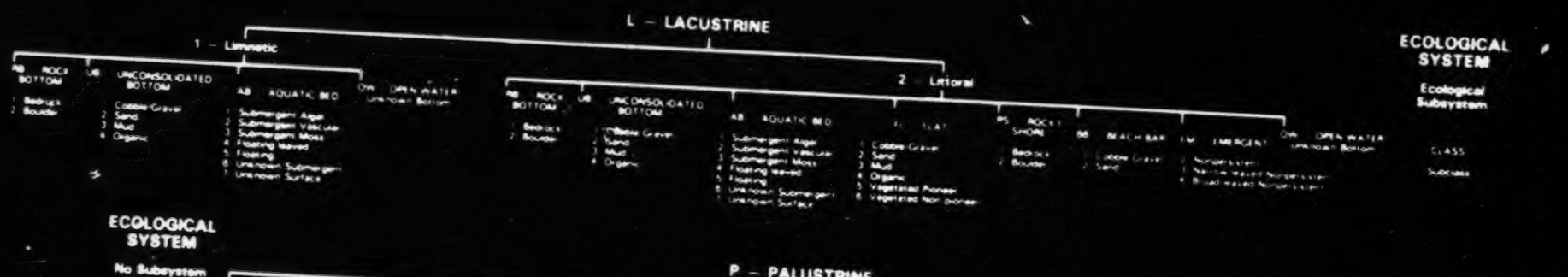

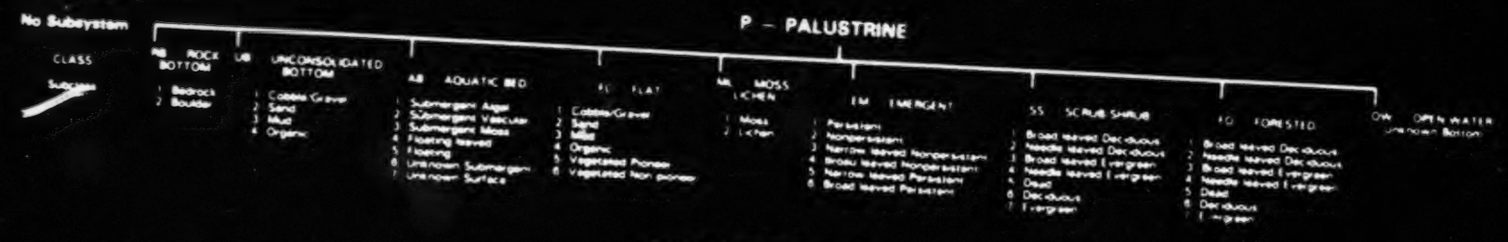

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WATER REGIME(1)

Non-Tidal

A	Temporary	H	Permanent
B	Saturated	J	Intermittently Flooded
C	Seasonal	K	Artificial
D	Seasonal Well-drained	Z	Intermittent, Exposed/Permanent
E	Seasonal Saturated	W	Intermittently Flooded/Temporary
F	Semipermanent	Y	Saturated/Semipermanent/Seasonal
G	Intermittently Exposed	U	Unknown

Tidal

K	Artificial	R	Seasonal Tidal
L	Subtidal	S	Temporary Tidal
M	Irregularly Exposed	T	Semipermanent Tidal
N	Regular	V	Permanent Tidal
P	Irregular	U	Unknown

WATER CHEMISTRY

Coastal Salinity

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Inland Salinity

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8	Eusaline
9	Mixosaline
0	Fresh

pH Modifiers for all Fresh Water

a	Acid		
i	Circumneutral		
b	Alkaline		

SOIL

g	Organic
n	Mineral

SPECIAL MODIFIERS

b	Beaver	h	Diked/Impounded
d	Partially Drained/Ditched	i	Artificial
f	Farmed	s	Spoil
		x	Excavated

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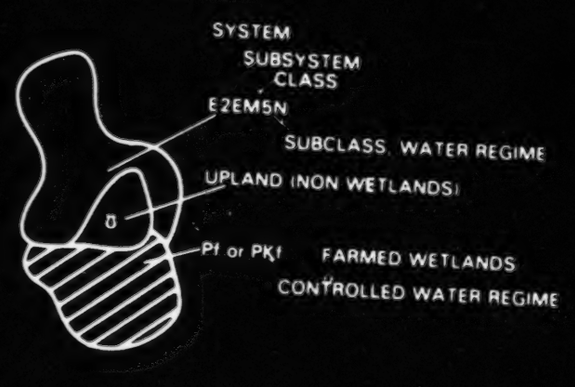

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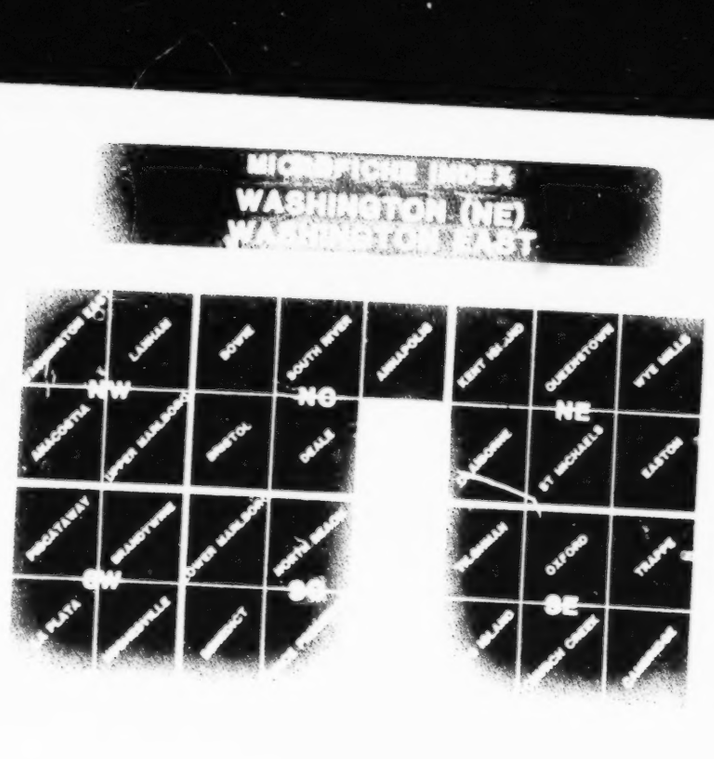
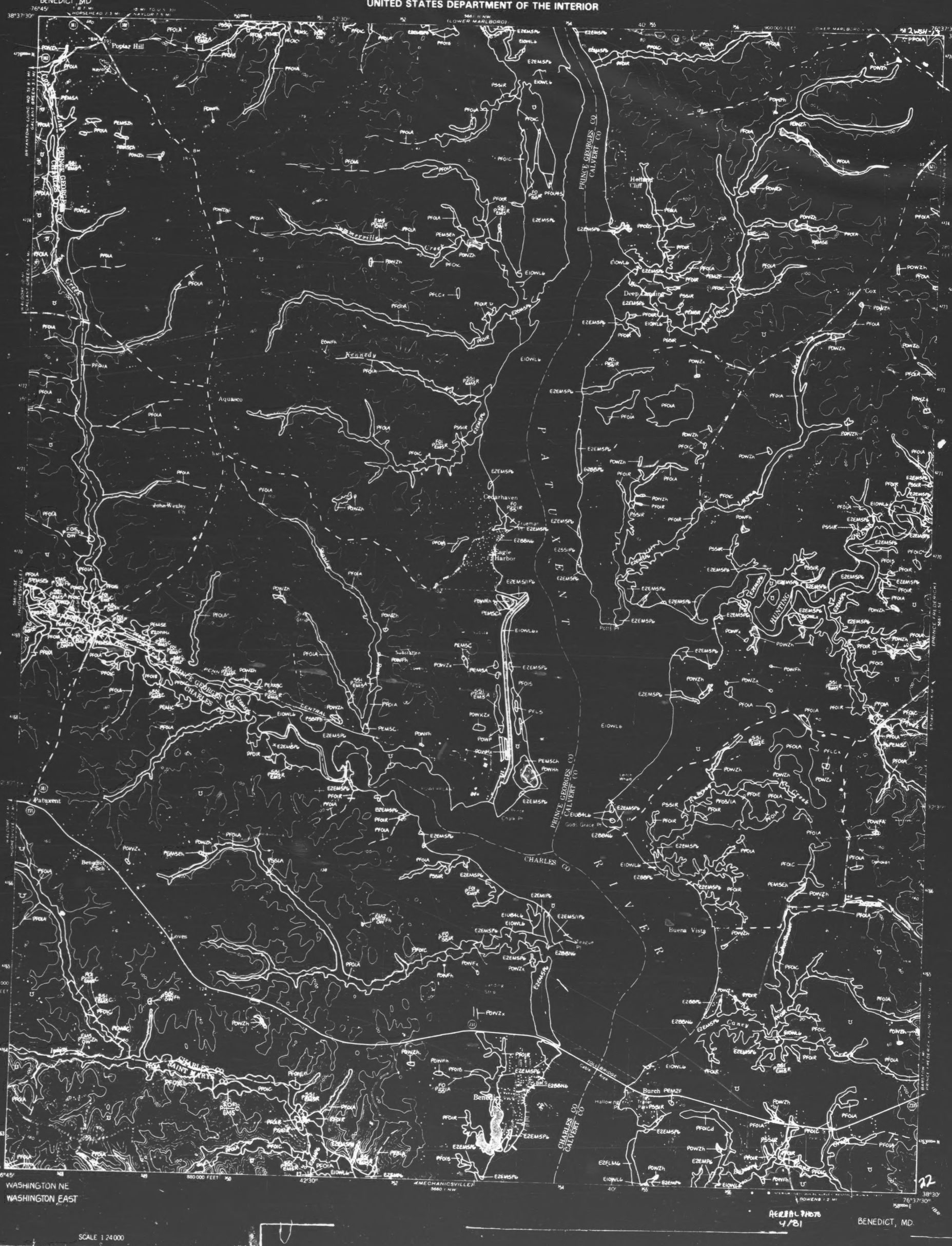


NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



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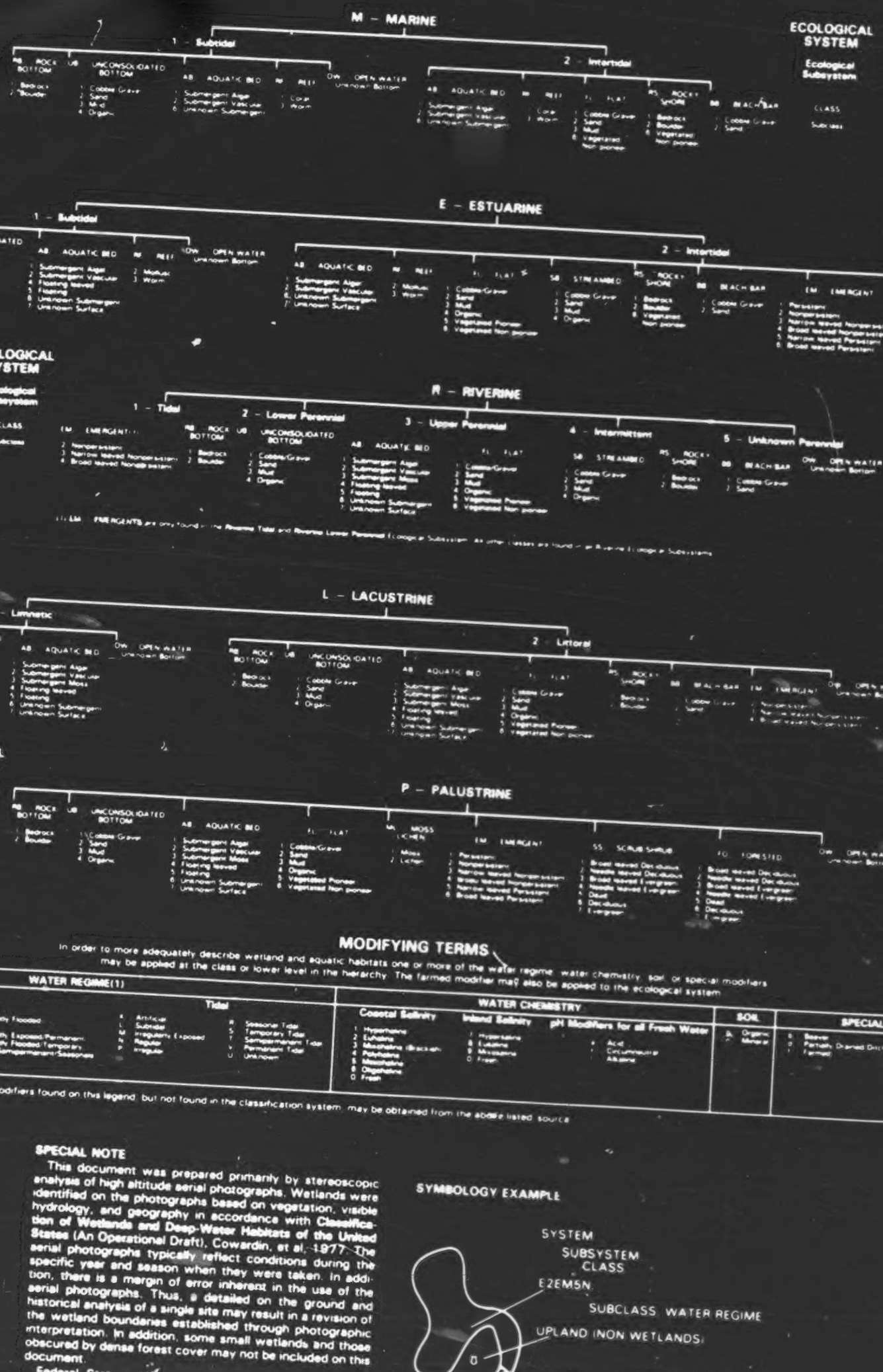

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Non-Tidal: A Temporary; B Saturated; C Seasonal; D Seasonal Well drained; E Seasonal Saturated; F Semipermanent; G Intermittently Exposed; H Permanent; J Intermittently Flooded; K Artificial; Z Intermittently Exposed/Permanent; W Intermittently Flooded-Temporary; Y Saturated/Semipermanent/Seasonal; U Unknown

Tidal: K Artificial; L Subtidal; M Irregularly Exposed; N Regular; P Irregular; R Seasonal Tidal; S Temporary Tidal; T Semipermanent Tidal; V Permanent Tidal; U Unknown

WATER CHEMISTRY

Coastal Salinity: 1 Hyperhaline; 2 Euhaline; 3 Mixohaline (Brackish); 4 Polyhaline; 5 Mesohaline; 6 Oligohaline; 0 Fresh

Inland Salinity: / Hypersaline; 8 Eusaline; 9 Mixosaline; 0 Fresh

pH Modifiers for all Fresh Water: + Acid; - Circumneutral; Alkaline

SOIL: A Organic; E Mineral

SPECIAL MODIFIERS: B Beaver; D Partially Drained/Ditched; F Farmed; H Diked/Impounded; I Artificial; S Spoil; X Excavated

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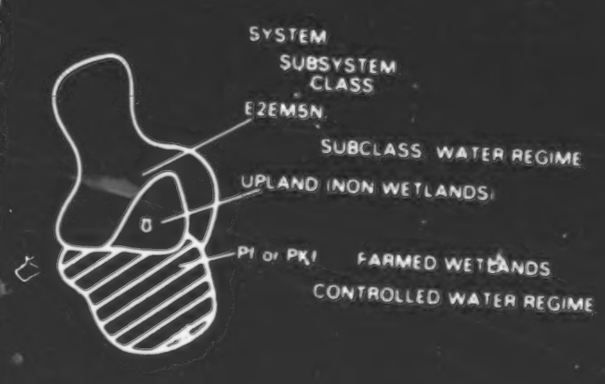

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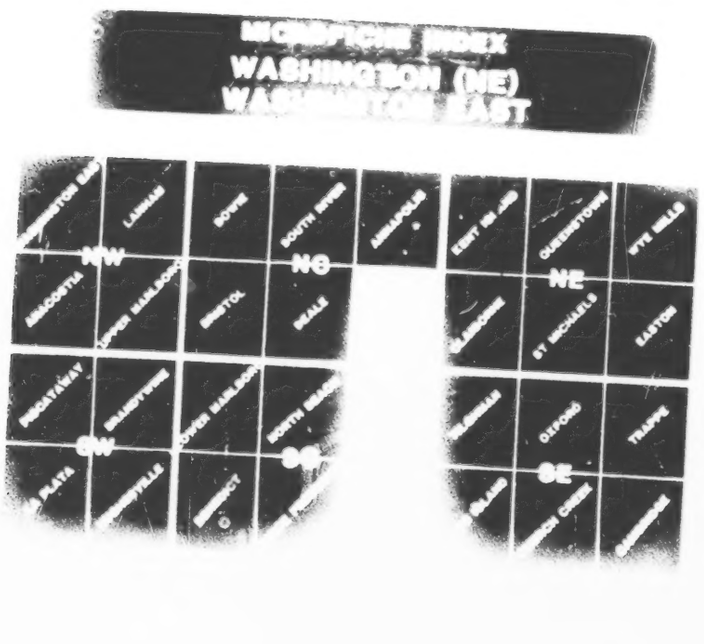
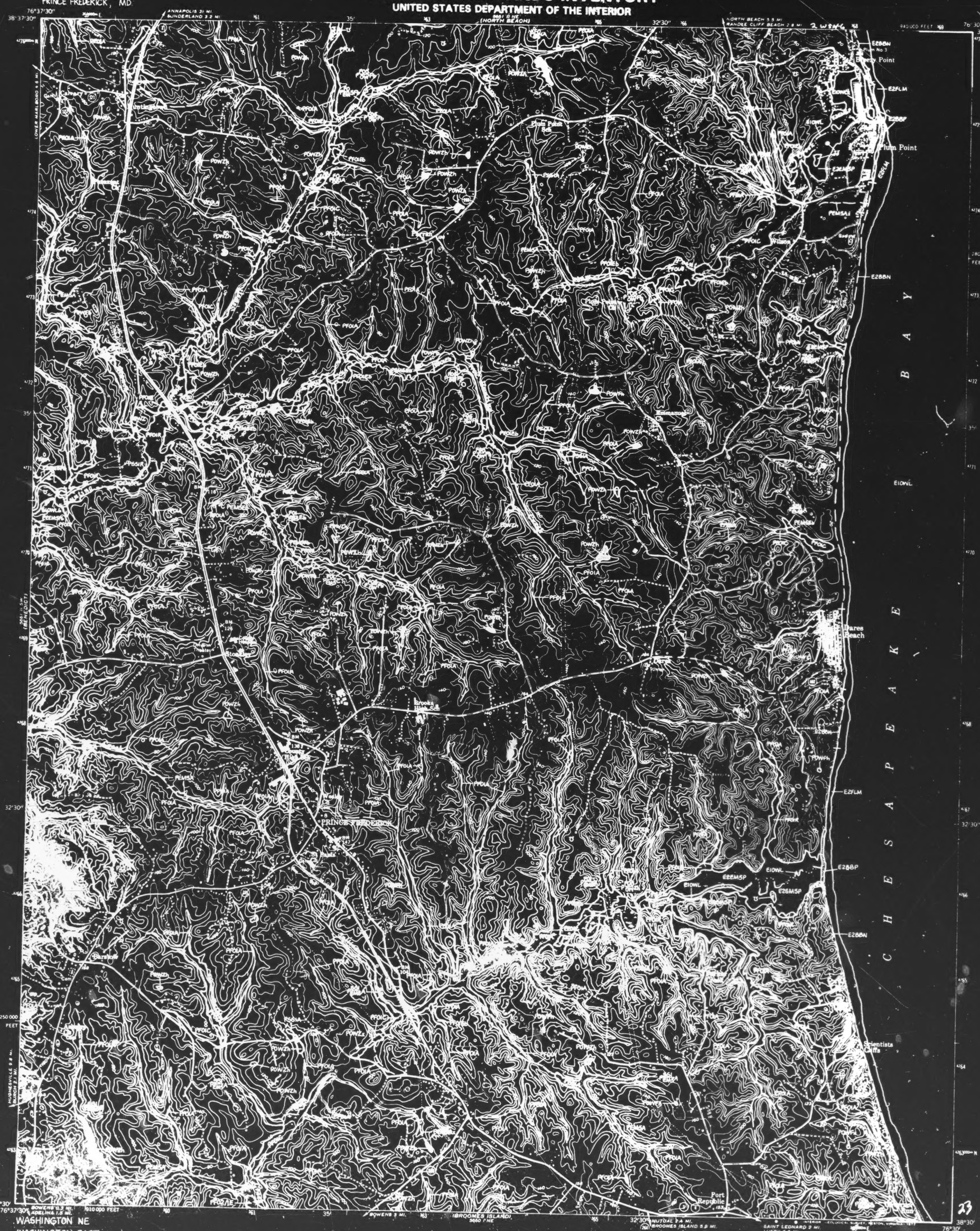


AF 14064 D

PRINCE FREDERICK, MD.

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

AERIAL PHOTO 4/81

PRINCE FREDERICK, MD.

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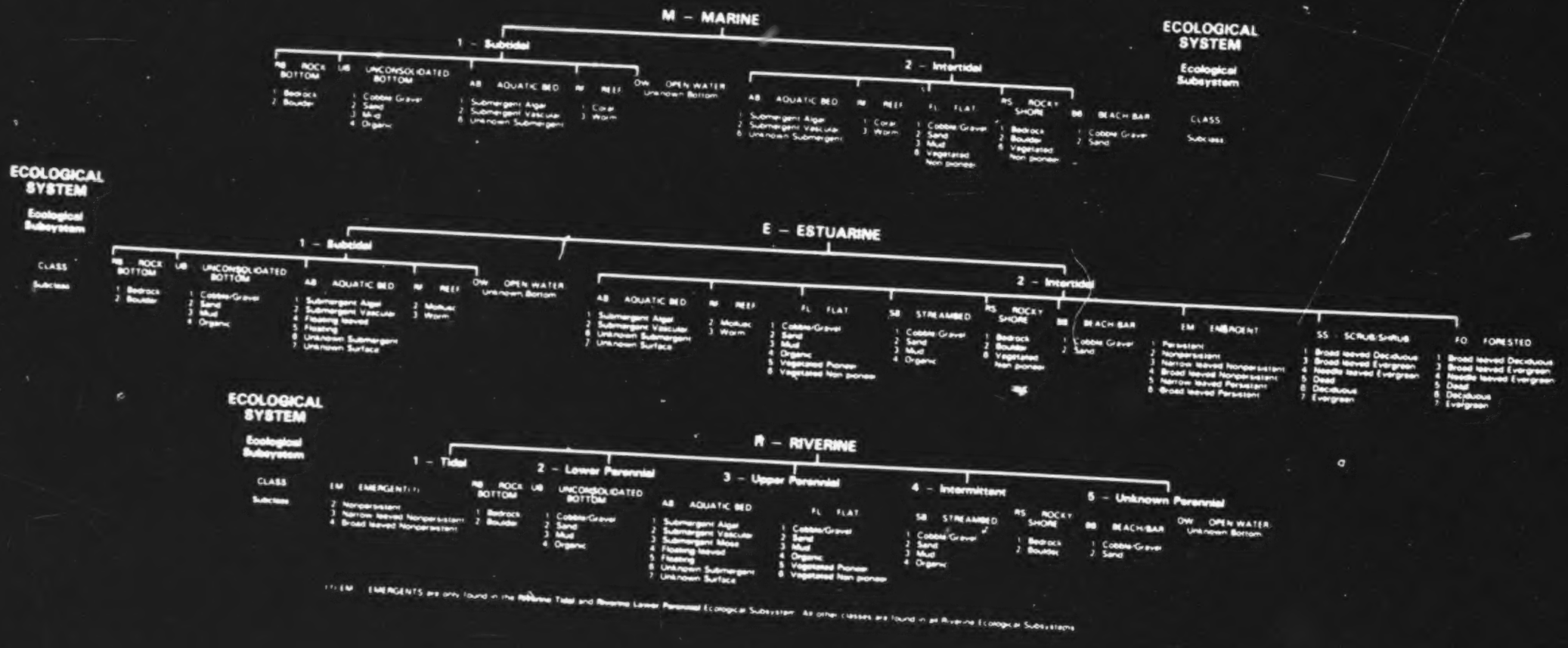

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WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	H Permanent	K Artificial	R Seasonal Tidal	1 Hypersaline	7 Hypersaline	+ Acid	s Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	T Temporary Tidal	2 Euhaline	8 Eusaline	- Calcareous	m Mineral	d Partially Drained/Ditched
C Seasonal	K Artificial	M Irregularly Exposed	S Semipermanent Tidal	3 Mixohaline (Brackish)	9 Mixosaline			f Farmed
D Seasonal Well-drained	L Intermittently Exposed	N Regularly Flooded	U Unknown	4 Polyhaline	0 Fresh			h Diked/Impounded
E Seasonal Saturated	W Permanently Flooded/Impounded	P Irregularly Exposed		5 Mesohaline				n Artificial
F Semipermanent	Y Saturated/Semipermanent/Seasonal	U Unknown		6 Oligohaline				s Spoil
G Intermittently Exposed	Z Unknown			0 Fresh				x Excavated

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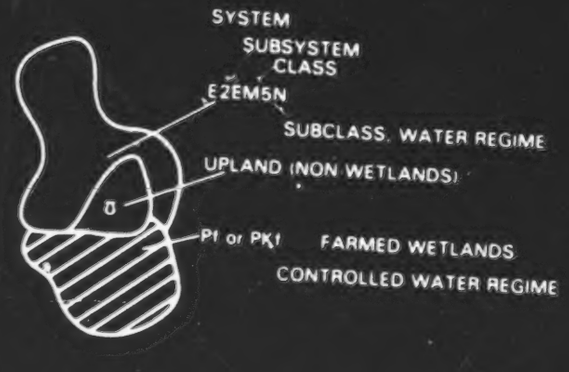

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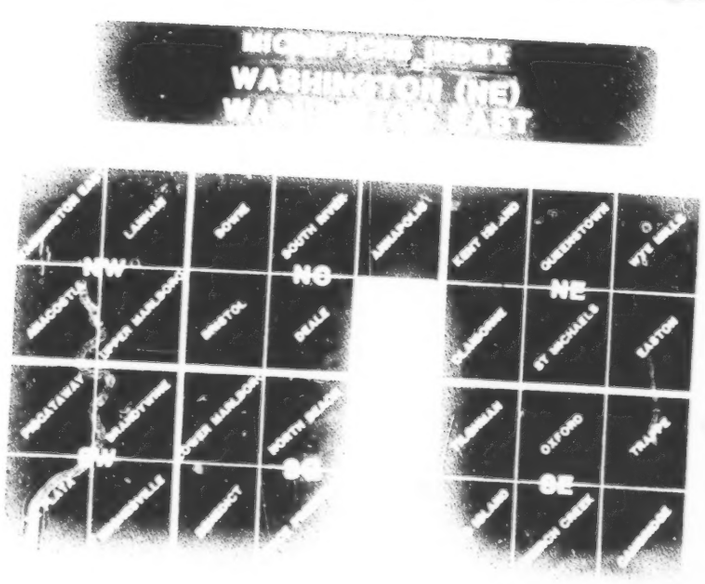

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

TILGHMAN, MD

2W3H-20

Coaches Island E2EM5P

PFLM

South Bar Point E2EM5P

Green Marsh Point E2EM5P

PFO1C

PFO1A

PFO1/4A

PFO1E

PEM5A

PFO4/1A

PFO4/1A

PEM5A

POWZh

E2EM5P

E2FLM

E2BBN

E2EM5P

Dun Cove

E2EM5P

E2BBN

E2FLN

POWFx

PFO1A

E2EM5P

Bald Eagle Point

E10WL

Amys Marsh Point

E2EM5P

Front Creek

PFLAK

E2EM5P

PFO1A

E2EM5P

E2FLN

E2BBP

E2EM5P

PEM5A

E2EM5P

E1UB4L

E2EM5P

E2EM5P

Tilghman

PEM5C

E2EM5P

PFO1A

PFO1/4A

E2FLM

E2EM5P

E2FLM

E2BBP

Airport

E1UB4L

Tilghman Island Landing

E1UB4L

E2EM5P

E2EM5P

Dogwood Harbor

Pauparts Cove

PFO1A

TILGHMAN ISLAND

E2EM5P

E2BBN

E2EM5P

PEM5/FL

E2FLM

E2BBN

E2FLM

PFO1A

E2EM5P

E2EM5P

Upper Bar Neck Point

BM

Fairbank

E2EM5P

E1UB4L

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E1UB4L

E2FLM

Blackwalnut

E2EM5P

Lower Bar Neck Point

E2EM5P

Blackwalnut Cove

E2FLM

E2EM5P

E2BBN

E2BBN

E2EM5P

Blackwalnut Point

CHESAPEAKE BAY

HARRIS CREEK

LEADENHAM CREEK

BROAD CREEK

Turkey Neck Point

E2EM5P

E2EM5P

E2FLM

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2EM5P

E2FLM

E2EM5P

E2EM5P

E2EM5P

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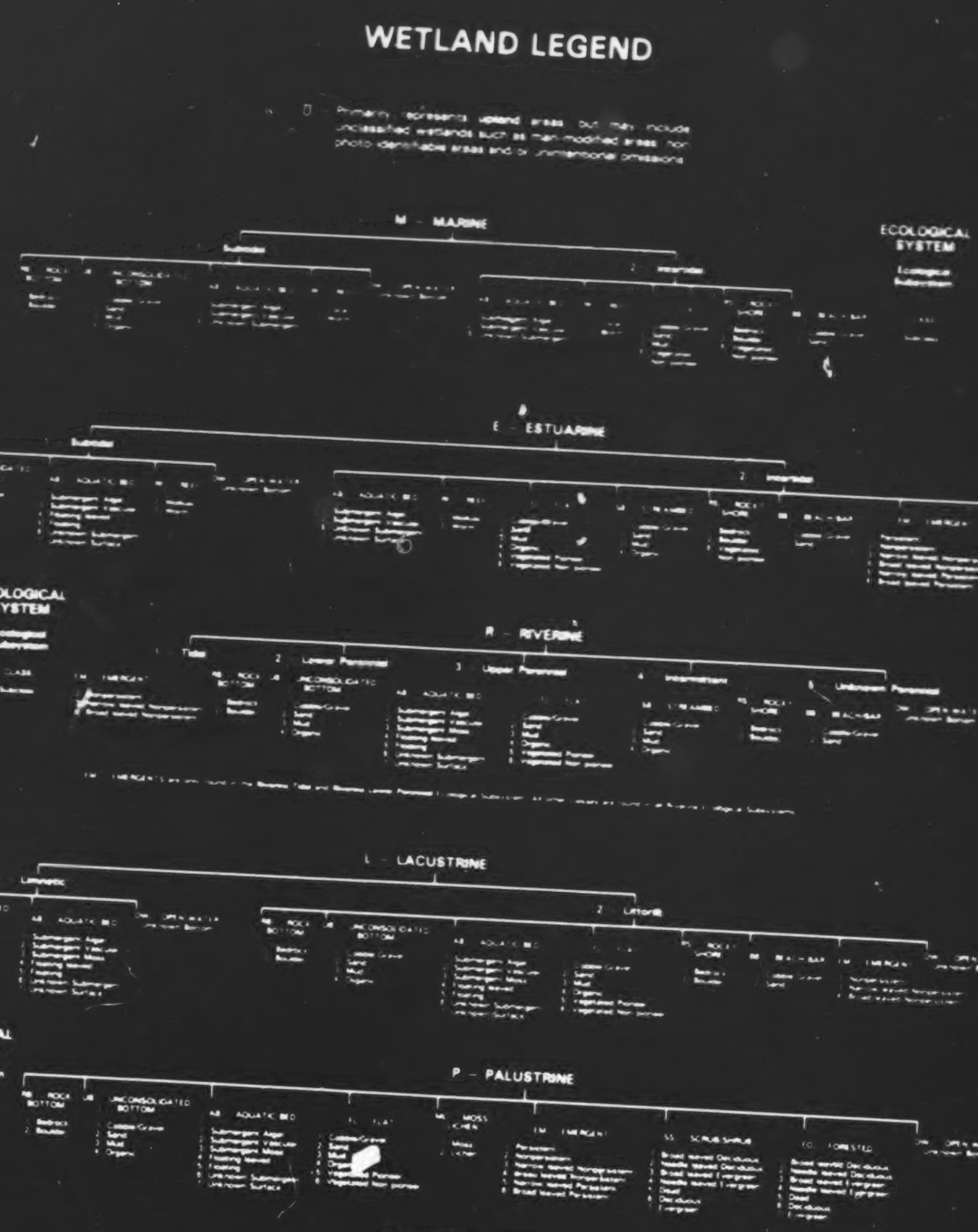
E2EM5P

WETLAND LEGEND



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WATER REGIME(1)										WATER CHEMISTRY						SOIL	SPECIAL MODIFIERS	
Non-Tidal				Tidal						Coastal Salinity		Inland Salinity		pH Modifiers for all Fresh Water				
A Temporary	H Permanent	R Artificial		R Seasonal Tidal		1 Hypersaline		7 Hypersaline		+ Acid								
B Saturated	J Intermittently Flooded	S Subtidal		S Temporary Tidal		2 Eusaline		8 Eusaline		- Calcareous								
C Seasonal	K Artificial	M Irregularly Exposed		T Semipermanent Tidal		3 Mixosaline (Brackish)		9 Mixohaline		Alkaline								
E Seasonal, Well-drained	Z Intermittent, Exposed/Permanent	N Regular		V Permanent Tidal		4 Polyhaline		0 Fresh										
F Seasonal, Saturated	W Intermittently Flooded/Temporary	P Irregular		U Unknown		5 Mesohaline												
G Semipermanent	Y Saturated/Semipermanent/Seasonal					6 Oligohaline												
H Intermittently Exposed	U Unknown					0 Fresh												

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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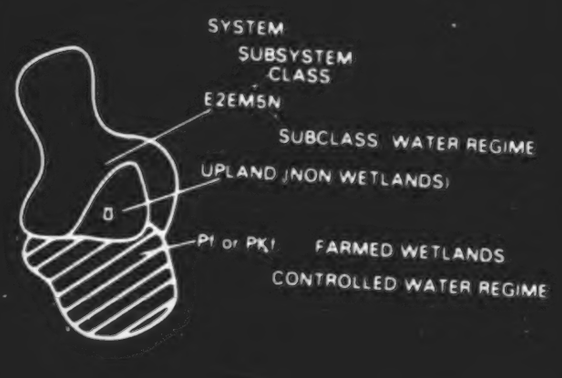
SYMBOLOGY EXAMPLE



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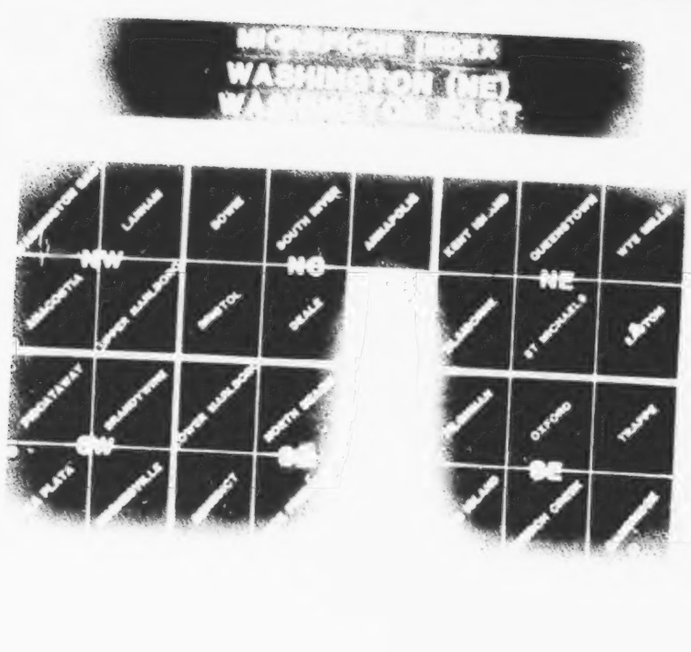

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

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WATER REGIME(1)

Non-Tidal
- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well Drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed/Permanent
- W Intermittently Flooded-Temporary
- Y Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- R Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity
- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity
- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water
- a Acid
- i Circumneutral
- b Alkaline

SOIL
- 0 Organic
- n Mineral

SPECIAL MODIFIERS
- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated

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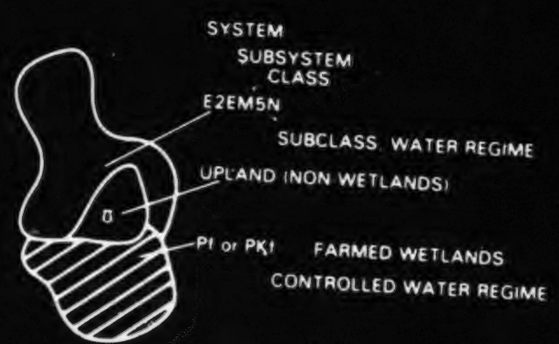

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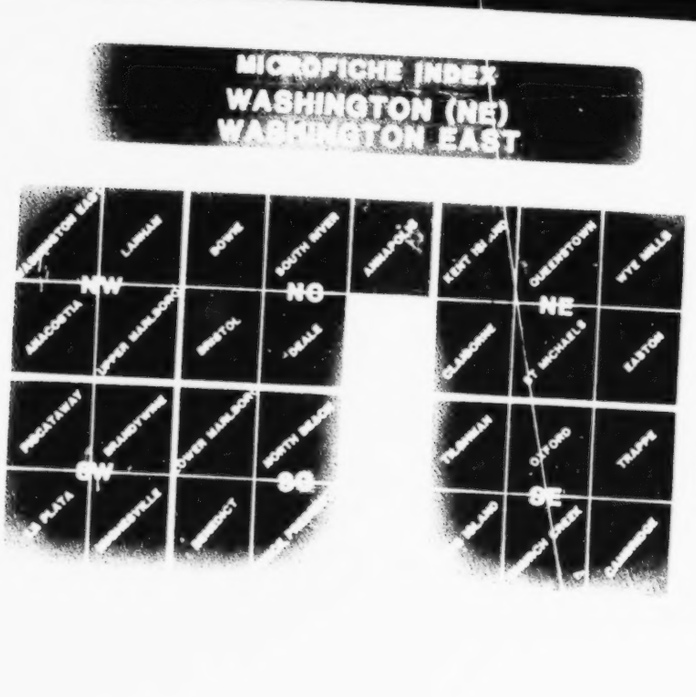
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



TRAPPE, MD

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON NE
WASHINGTON EAST

SCALE 1:24000

AERIAL PHOTO. 4/81

TRAPPE, MD

WETLAND LEGEND

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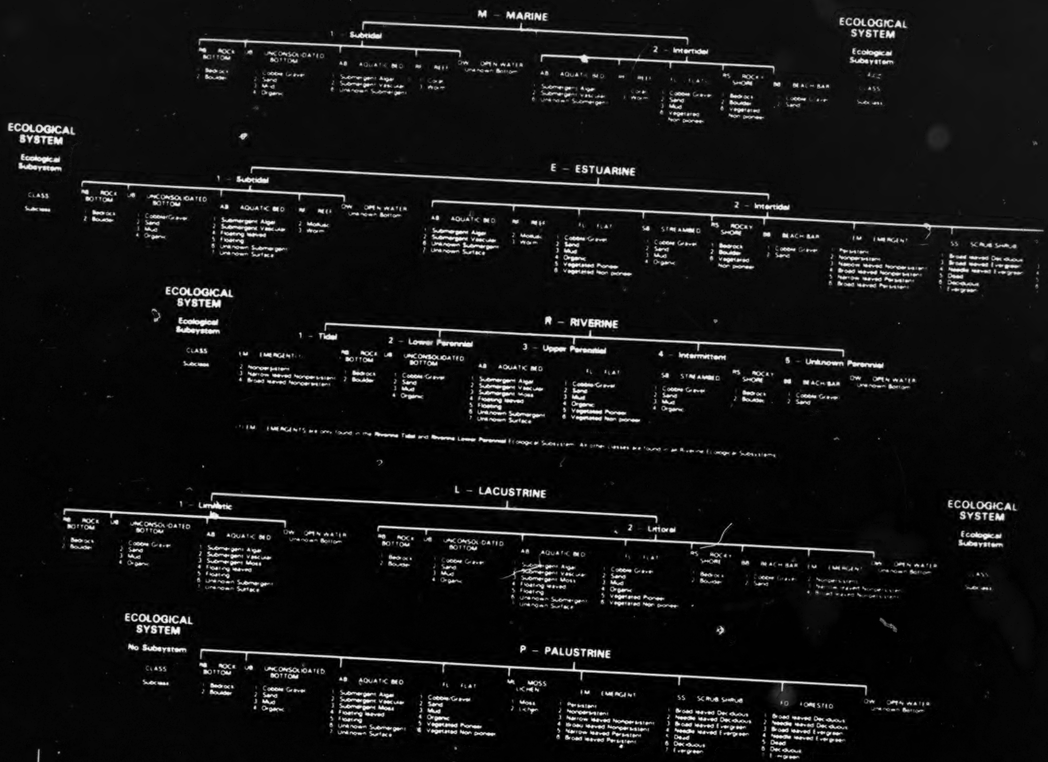

MODIFYING TERMS

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WATER REGIME(1)						WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal				Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A – Temporarily Saturated	H – Permanent	K – Artificial	R – Seasonal Tidal			1 – Hypersaline	7 – Hypersaline	a – Acid	2 – Organic (Muck)	b – Beaver
B – Saturated	J – Intermittently Flooded	L – Subtidal	S – Temporary Tidal			2 – Eusaline	8 – Eusaline	c – Circumneutral		d – Partially Drained/Ditched
C – Seasonal	K – Artificial	M – Irregularly Exposed	T – Semipermanent Tidal			3 – Mixohaline (Brackish)	9 – Mixosaline	s – Alkaline		f – Farmed
E – Seasonal Well-drained	R – Intermittently Exposed/Permanent	N – Regular	U – Permanent Tidal			4 – Polyhaline	0 – Fresh			h – Diked/Impounded
F – Seasonal Saturated	W – Intermittently Flooded/Temporary	P – Irregular	V – Unknown			5 – Mesohaline				r – Artificially Revegetated
G – Intermittently Exposed	Y – Saturated/Semipermanent/Seasonal					6 – Oligohaline				s – Spoil
	U – Unknown					0 – Fresh				x – Excavated

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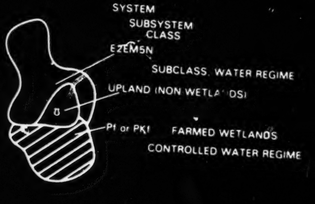

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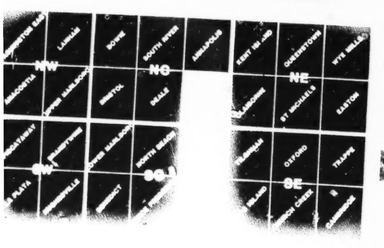
MICROFICHE INDEX
WASHINGTON (NE)
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

SHARPS ISLAND, MD

WSH-22

WASHINGTON NE
WASHINGTON EAST

SHARPS ISLAND, MD

AERIAL PHOTO 3/82

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CHESAPEAKE BAY
TRIPPE BAY
LITTLE CHOPTANK RIVER
CHOPTANK RIVER
BRANNOCK BAY
Cook Point Cove
Hills Point Cove
Ragged Point Cove
Hooper Cove
Covey Creek
HILLS POINT BROOK
HUDSON CREEK
JUSTICE CREEK
Sharps Island
Mills Point
Hills Point
James Point
Covey Point
Ragged Point
Hooper Point
TALBOT CO
DORCHESTER CO
(SHARPS ISLAND 82 NW)
(TAYLORS ISLAND)
(TILGHMAN)
(HILLS POINT 0 1 M)

WETLAND LEGEND

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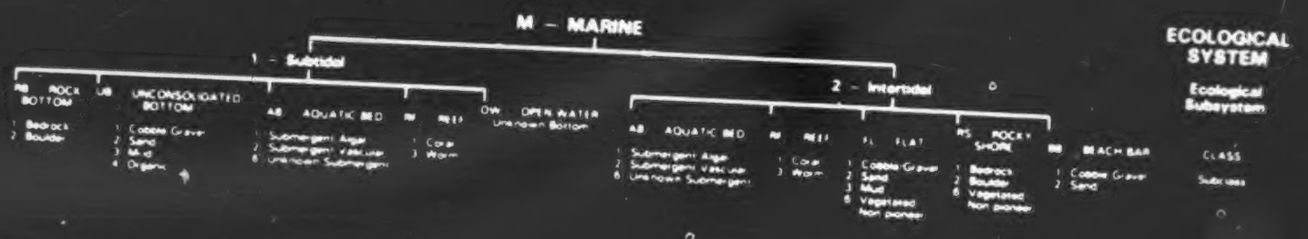

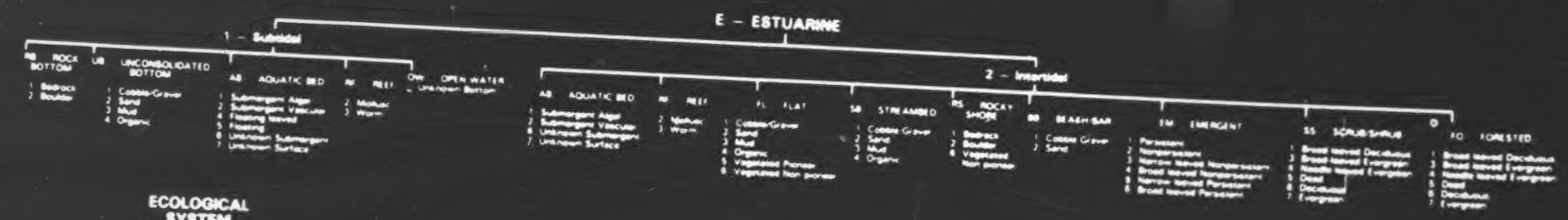

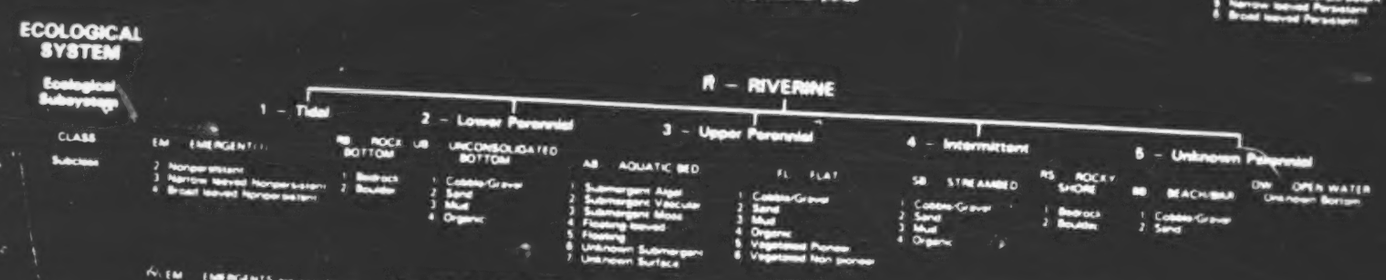

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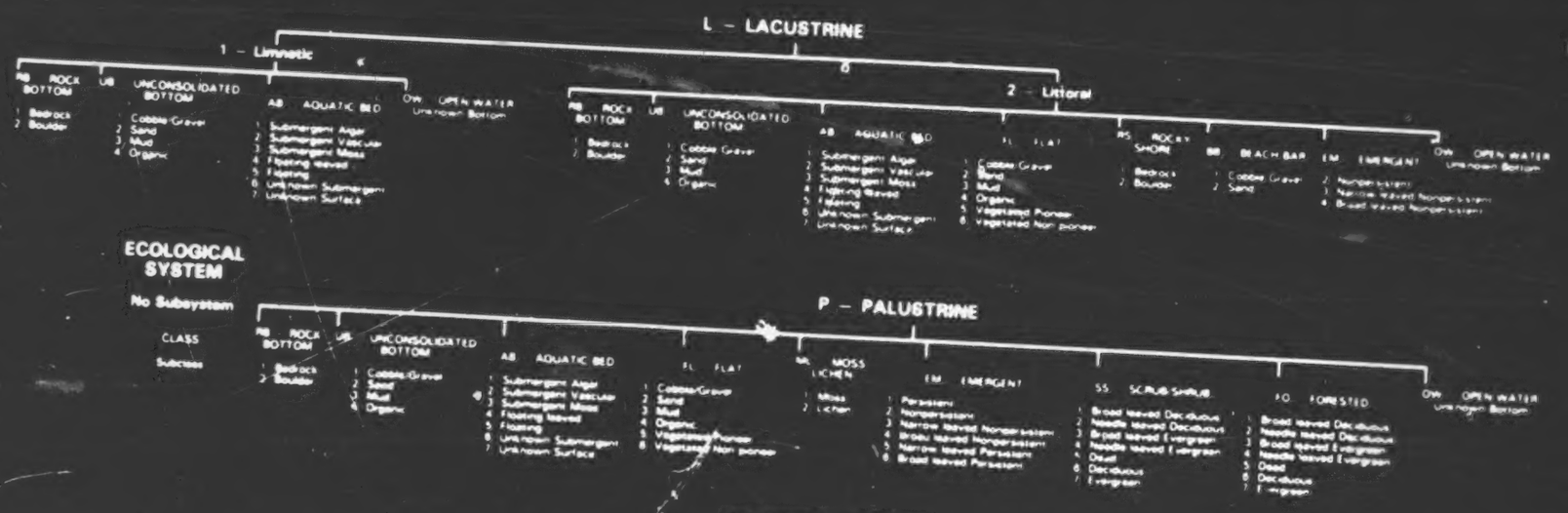

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WATER REGIME(1)

Non-Tidal
- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well Drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently, Exposed/Permanent
- W Intermittently Flooded/Temporary
- V Saturated/Semipermanent/Seasonal
- U Unknown

Tidal
- R Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
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- S Seasonal Tidal
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WATER CHEMISTRY

Coastal Salinity
1 Hyperhaline
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4 Polyhaline
5 Mesohaline
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0 Fresh

Inland Salinity
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9 Mixosaline
0 Fresh

pH Modifiers for all Fresh Water
- a Acid
- i Circumneutral
- b Alkaline

SOIL
- 8 Organic
- 9 Mineral

SPECIAL MODIFIERS
- h Diked/Impounded
- r Artificial
- s Spoil
- x Excavated
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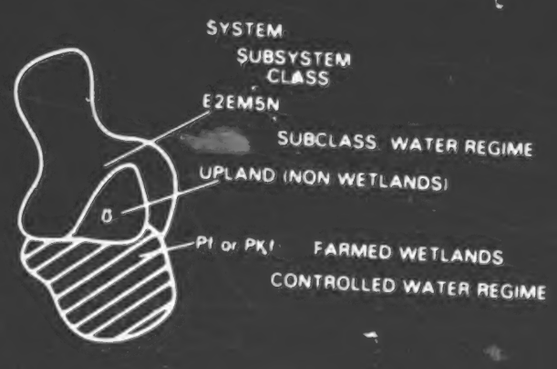

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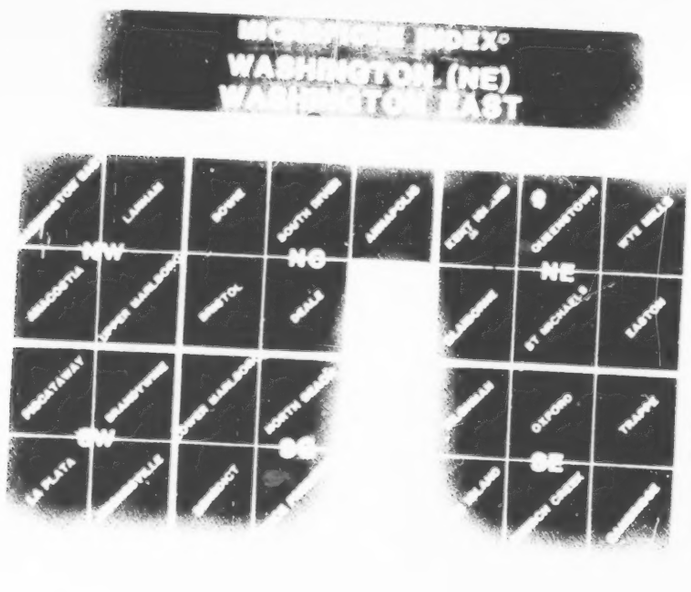

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

2WSH-27

CHURCH CREEK MD

OXFORD

CHOPTANK RIVER

LECOMPTE BAY

HUDSON CREEK

Hills Point

Wrights

Chapel Cr

Cornersville

Lloyds

Cherry Island

SHARPS ISLAND

HUDSON BAY

Phillips Cr

Fishing Creek

Church Creek

Woolford

Madison

Golden Hill

LITTLE MADISON BAY

WASHINGTON NE
WASHINGTON EAST

AERIAL PHOTO.
3/82

CHURCH CREEK, MD

28

SCALE 1:24000

1 MILE

0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

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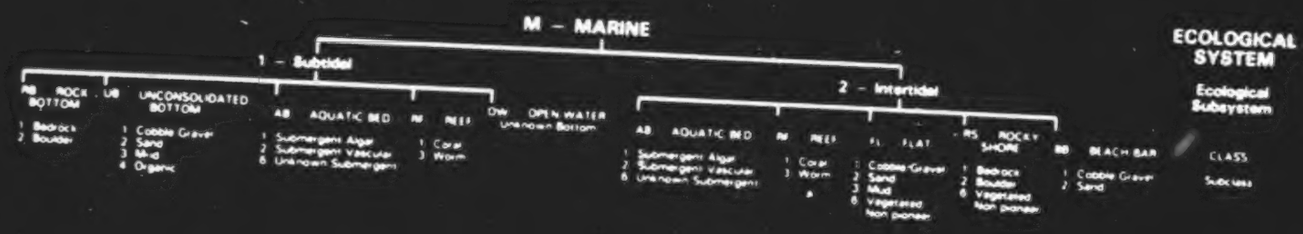

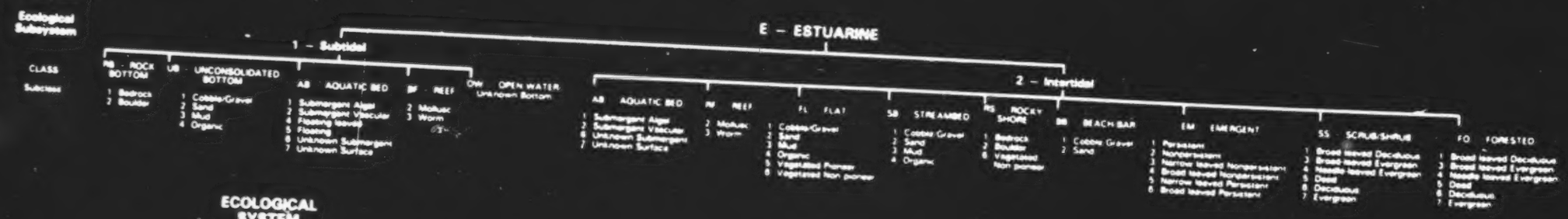

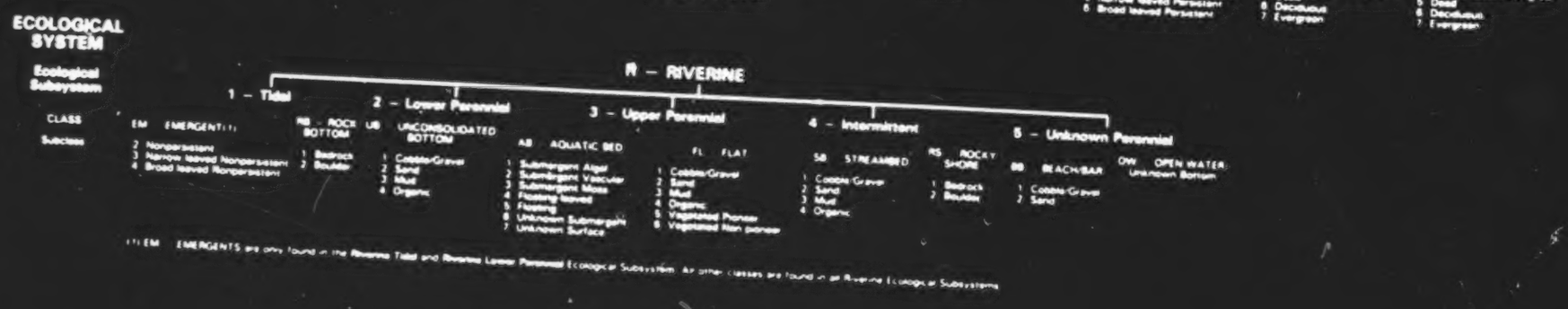

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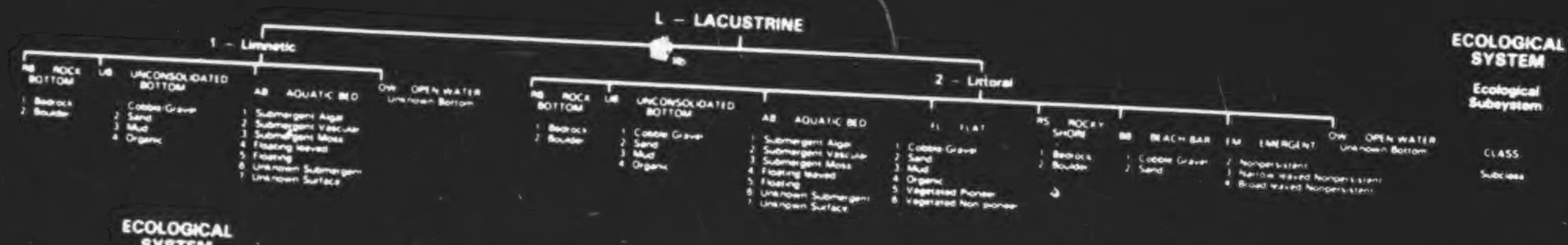

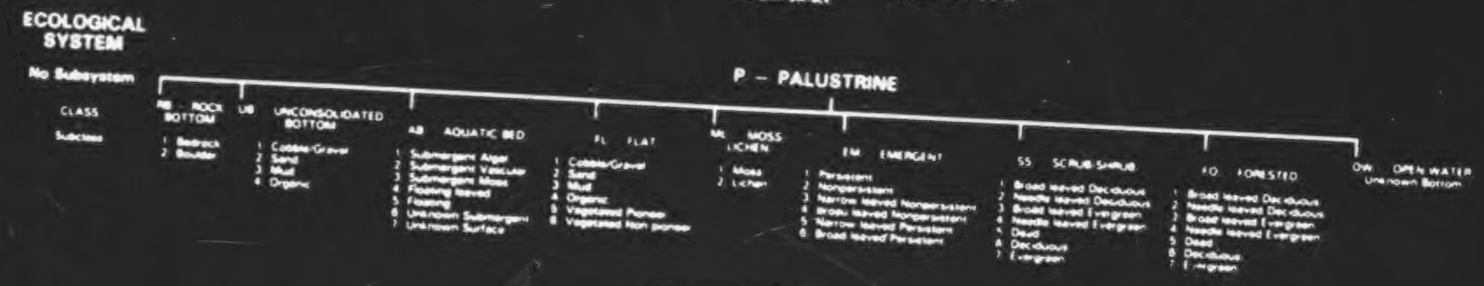

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- H Permanent
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- Z Intermittently, Exposed/Permanent
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- 6 Alkaline

SOIL
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- n Mineral

SPECIAL MODIFIERS
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- s Spoil
- x Excavated

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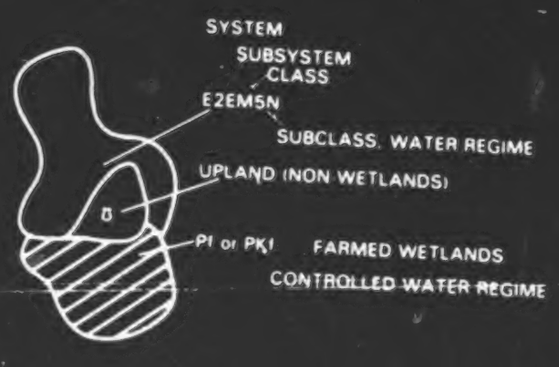

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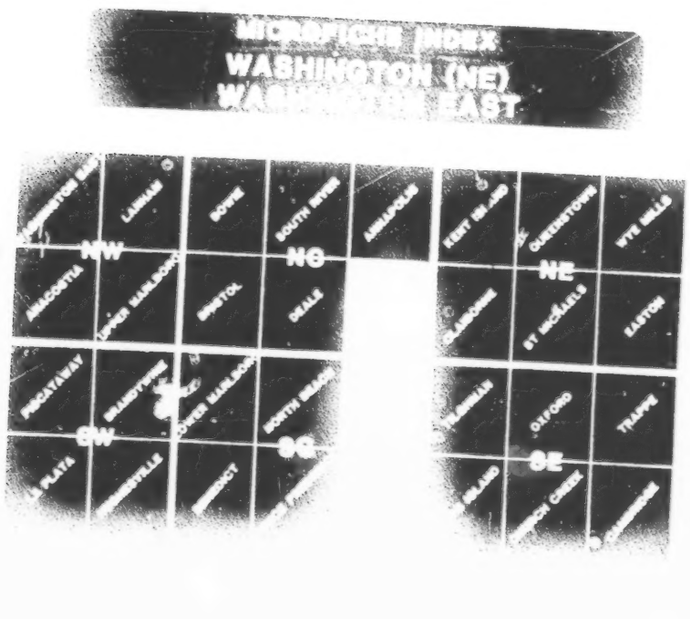
WASHINGTON (NE)
WASHINGTON EAST



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

CAMBRIDGE, MD.

WETLAND LEGEND

U – Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	Unknown Bottom

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	RS ROCKY SHORE	BB BEACH BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble Gravel 2 Sand 3 Mud 8 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

E – ESTUARINE

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating leaved 4 Floating 5 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	Unknown Bottom

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH BAR	EM EMERGENT	SS SCRUB Shrub
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 8 Vegetated Non pioneer	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Decid 2 Broad leaved Everg 3 Needle leaved Ever 5 Dead 6 Deciduous 7 Evergreen

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

R – RIVERINE

1 – Tidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	OW OPEN WATER
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 8 Vegetated Non pioneer	Unknown Bottom

2 – Lower Perennial

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 8 Vegetated Non pioneer

3 – Upper Perennial

AB AQUATIC BED	FL FLAT
1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 8 Vegetated Non pioneer

4 – Intermittent

SB STREAMBED	RS ROCKY SHORE	BB BEACH BAR
1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand

5 – Unknown Perennial

OW OPEN WATER
Unknown Bottom

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

L – LACUSTRINE

1 – Limnetic

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	OW OPEN WATER
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 7 Unknown Submergent Unknown Surface	Unknown Bottom

2 – Littoral

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	RS ROCKY SHORE	BB BEACH BAR	EM EMERGENT	OW OPEN WATER
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 8 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand	1 Nonpersistent 2 Narrow leaved Nonpersistent 3 Broad leaved Nonpersistent	Unknown Bottom

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

P – PALUSTRINE

No Subsystem

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	ML MOSS LICHEN	EM EMERGENT	SS SCRUB SHRUB	FO FORESTED	OW OPEN WATER
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 8 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	Unknown Bottom

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal		Tidal	
A Temporary	H Permanent	R Seasonal Tidal	
B Saturated	J Intermittently Flooded	S Temporary Tidal	
C Seasonal	K Artificial	T Semipermanent Tidal	
D Seasonal Well drained	M Intermittently Exposed/Permanent	U Permanent Tidal	
E Seasonal Saturated	W Intermittently Flooded/Temporary	V Unknown	
F Semipermanent	Z Saturated/Semipermanent/Seasonal		
G Intermittently Exposed	9 Unknown		

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hypersaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eutaline 9 Mixohaline 0 Fresh	a Acid i Circumneutral k Alkaline

SOIL

b Organic n Mineral

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	x Artificial
f Farmed	s Spoil
	r Excavated

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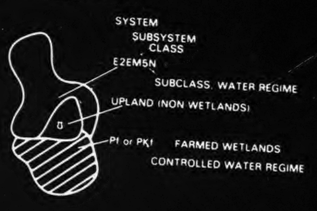

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